CAVITY TRAYS

specialism • experience • service

VOL 55

THE LATEST

BOOK OF WISE DECISIONS

BEST PRACTICE SERIES - VOLUME 55

COMPLIANT BUILD DETAILS IDENTIFICATION HANDBOOK

SEE & SELECT -

THEN REFER TO OUR LATEST TECHNICAL MANUAL FOR EXPANDED NATIONAL AND INTERNATIONAL APPROVED PRODUCT INFORMATION

Cavity Trays Ltd is the only UK cavity tray manufacturer awarded European Technical Approval

ENJOY THE BENEFITS

of four generations of experience...

In the 1920's a West Country family of builders started fabricating 'damp courses and other devices to allay the fears of the unpredictable and volatile English climate'. Today the fourth generation of the same family continue the tradition.

The company is now called Cavity Trays Ltd and can claim more experience, more case histories and more know-how than any other company in this specialised field.
Eric Reginald Shillabeer, the founder of the limited company created the term 'Cavity Tray', which together with 'Cavitray' have subsequently become accepted everyday terms within building language.
Cavity Trays Ltd remains the only UK tray manufacturer awarded European Technical Approval and its products can be found on construction projects as far afield as Singapore.

Approved Cavity Trays and Cavitrays are accompanied with a performance undertaking for the benefit of Architect, Builder and Client.
Enjoy the specialism, experience and service of four generations by clearly specifying approved products from Cavity Trays Ltd.

Log onto www.cavitytrays.co.uk to access the latest product information. Data sheets, product specifications, CAD downloads and video demonstrations showing how products are used.

Where a request to receive technical information is received, we will continue to supply subsequent technical updates unless instructed to stop. To cancel, please write, or email: removecontactinformation@cavitytrays.co.uk.

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www.cavitytrays.co.uk

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Yeovil, Somerset BA22 8HU

LABC Cavitrays meet technical requirements

NHBC Cavitrays meet technical requirements

Perform

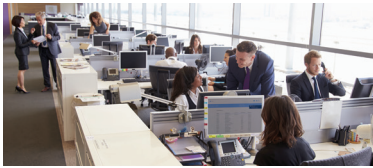
Certificate No.1172

RIBA Product Selector

NHBC Standards can be satisfied using preformed Cavity Trays Ltd products. Used in accordance with Cavity Trays recommendations, trays meet NHBC recommendations.

INNOVATION BUILT ON EXPERIENCE AND TRADITION

We are here to help you



Help in the Office

Our Help Desk is available by email, fax or telephone. We will be delighted to provide input regarding specific build details for both new and existing construction projects. Please do not hesitate to ask – it is part of the Cavity Tray service.

Help with Design

If you cannot identify what you require from our standard range of products and solutions, take advantage of our bespoke service.

Help on Site

Our Technical Managers visit sites to address your on-site requirements. As well as providing guidance regarding the use of Approved Cavitrays, Technical Managers can assist in finding remedies for existing and potential construction problems.

Take-Off and Scheduling Service

Why not let us appraise your drawings and take-off your requirements? There is no charge for this service.

Peace of Mind

Specify clearly the Cavity Trays of Yeovil name to receive your selected performance products from the longest-established and only UK cavity tray company awarded European Technical Approval.

An accompanying performance warranty for the benefit of Architect, Builder and Client accompanies our approved products.

CONTENT

Listed by Product Name

DAMP-PROOFING

Type B	8
Type BA	8
Type BWVC	9
Type C	9
Caviroll	10
Cavicloak & Cavilengths	10
Cavicloak Rise & Fall Barrier	11
Joining & Sealing Options	11
NHBC LABC Premier Guarantee - 6.1 BEST PRACTICE.	12
Caviweeps / Cavivents	14
Curved Cavitrays	15
Type CD	16
Type E	18
Type F	20
Type G - With Flashing	20
Type G - No Flashing	21
Type GBOT	21
Type J	22
Type K	22
Type L	23
Lead Products / Supply	23
Type LTT Level Threshold Tray	24
Type LTT - Remedial / Retrofit	24
Type M	25
Masonry Support	25

DAMP-PROOFING

Type MPC	26
Type P	27
Type PAT	27
Type Q	28
Ready DPC	28
Type SDC	29
Type TST	30
Type U	30
Type U Undersill Envelope Tray	31
Type WPC	31
Type X	32
Advantage Range	35
Type Y	36
Type Z Cavistrap	36
Timber Frame & SIPS preformed DPC Profiles	37
Auxilary Products & Specialised Applications	39

CLOSERS

Bespoke	44
Continuity Closer	44
Type D	45
Type DIP	45
Type FWC	46
Type WCA	46
Type WCA Maxi	48
Type V	48

CLOSERS

Type V170	49
Sash Frame Insulated DPC	49
Cavi 60 Type WCA	50
Cavi 60 Type V170	50
Cavi 60 SAF Horizontal	51
Cavi 60 SAF Vertical	51
Cavi 240 CFIS	52
Cavi 60 MWR 200	52
Noncom Cavitray	56

VENTILATION

Type CSV / Type CRSV	60
Type OFV-10 / Type OFV-25	61
Type EROV 400 / Type OEVWF	62
Type PV / Type REV	63
Type RASV / Type SSV	64
Type SSV-RU / Type SSV-15	65
Type SV-FL / Type SSV-GP	66
Type USV	67
Type CV / Type ECF	68
Type RAV-FL / Type VF	69
Flush Slate / Contract Slate	70
Tiled Roof Universal Ventilator / Type ERV External	71
Type LSRV Lead Slate	72
Cavibrick	73

ASSOCIATED ITEMS

Cavibrick Sleeves / Cavibrick Sleeve	74
Double size Rectangular to Round Converter / Type CLV	75
Cavibrick Cowl / Type TAV	76
TAV Sleeves / Type TAV Connector	77
Type CRSS	79
Type ECSC	79
Type RBS	80
Type VG	80
Hardedge Eaves Protector 1500	81
Downward Hinging Loft Access Door & Frame	83
Cavi 120 Type PC Lofthatch	83
Type I	85

RADON

Gas Reception Sump	88
Preformed Horizontal Exterior Wall Damp/Radon Gas Barriers	89
Standard Adjustable Threshold Protection - Type PAT	90
Gas Evacuation - Cavibrick	90
Water Evacuation - Caviweep	91
Service Pipe Entry Points	92
Door Opening Protective Wraps	94

Please note: Text in red are Fire Rated products.

Purple Section - Noncom
Blue Section - Associated Construction Products

DAMP-PROOFING

Damp Protection of the Building Envelope

Products and systems are for use in masonry construction designed in accordance with the BS EN series of Eurocodes.

PD 6697:2010 states guidance on structural considerations affecting the selection of DPCs, trays and flashings given in BS 8215.

However, please be aware of errors in the original BS 8215 relating to stepped and staggered gable abutments, the existence of which have subsequently been acknowledged by British Standards. Importantly, the designs within this section avoid those shortcomings and have been awarded European Technical Approval / LABC product approval.
PD 6697:2010 also makes reference to a DPC within a parapet wall sometimes stepping inwardly and we believe this to be in error as such construction is susceptible to water ingress. Our design for parapet walls avoids this shortcoming whilst addressing also the structural continuity risk.

Products and systems are subject to a performance undertaking for the benefit of Architect, Builder and Client.

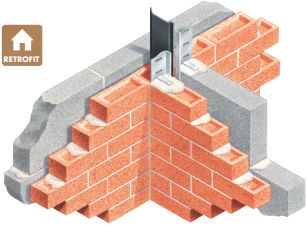
Important

Every building must be designed and constructed in such a way that there will not be a threat to the building or the health of the occupants as a result of moisture from precipitation penetrating to the inner face of the building.

SR Mandatory 3.10

Best Practice

Approved products awarded European Technical Approval incorporate features and risk reduction measures not present on alternate systems. Cavity Trays Ltd is the only UK tray manufacturer awarded international standard ETA. During 2025, Cavity Trays Ltd secured further approvals for trays under BDA BAW-24-336-P-K-UK and BDA BAW-24-337-P-K-UK.



Vertical DPC for introduction into existing masonry skins

TYPE B

Vertical DPC for introduction into existing masonry skins

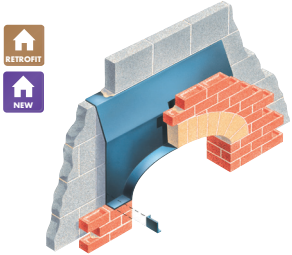
- Introduces vertical DPC element
- Suitable for traditional or timber frame construction
- Requires minimal masonry slot cutting to install
- Ensures regulation compliance when using profiles
- Shape suitable for mid-cavity and frame edge positioning

Use

To introduce a vertical DPC element to an existing exterior skin of a cavity wall where its status changes from exterior to interior by virtue of a porch or similar being attached.

Solution

The Type B is a semi-rigid vertical DPC that may be introduced into an existing skin following mechanical cutting of the masonry to provide a vertical slot 4-6mm wide. The Type B establishes a permanent DPC presence isolating the existing skin externally beyond the vertical point it becomes internal. This product is particularly appropriate where the cavity is not maintained at the point a new porch is attached (no T-junction cavity continuity).
Compressible insulated version also available.



TYPE BA

Moulded DPC Cavitray Barrier Arch protection for shaped openings

- Available in different arch styles and design
- Provides matching DPC element to arch masonry
- Permits traditional centring or metal lintel use
- Traditional or timber frame construction
- Format can accommodate very wide openings

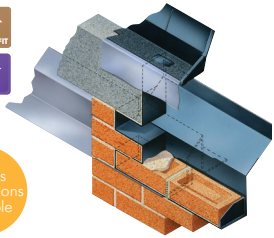
Use

To protect arch openings of all styles and dimensions.

Solution

The Type BA Barrier Arch is a ready-moulded DPC shaped to harmonise with traditional arch construction and protect the opening against damp ingress. Offered on a swift bespoke manufacturing basis, arches are available in all styles and dimensions.
The Type BA barrier arch is incorporated within the cavity wall with its base section positioned on traditional centring or on the curved supporting lintel – whichever is applicable. The top of the Type BA is normally returned into the inner skin where traditional masonry is used, or with some styles a self-supporting option that does not build in is offered.

RETROFIT
NEW



Various Permutations Available

TYPE BWVC

Bay Window Vertical Cavitray

- Ready shaped vertical interfacing
- Prevents horizontal damp ingress
- Not visible once installed
- Traditional and timber frame construction
- Bonding not interrupted
- Suits numerous lintel types

Use

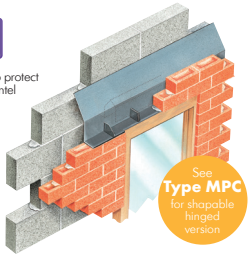
To prevent wet external skin masonry at the side of a bay window from conveying dampness inwardly via the unprotected courses separating the higher (bay roof) tray arrestment level from the lower (bay support) lintel level.

Solution

The Type BWVC is a preformed DPC cavitray that vertically connects two levels within the same masonry skin without adversely interrupting bonding or coursing. Its presence prevents horizontal damp transference. It is extensively used in bay window construction where the level of the roof intersection and that of the support lintel spanning the bay is not shared and separating courses exist between them.
Type BWVC units are handed and available to suit brickwork / block work coursings. Units are introduced at each end of the lintel and provide permanent DPC connection upwardly to the cavitray at roof intersection level.

NEW

Used to protect metal lintel



See **Type MPC** for shapable hinged version

TYPE C

Preformed DPC Cavitray for use with lintels over openings in cavity walls

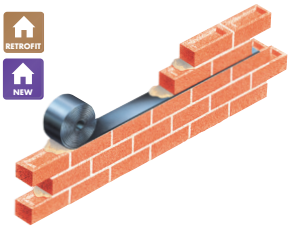
- Ready-shaped DPC trays for all lintel styles
- Wastage and inaccurate site fabrication eliminated
- Ensures consistent build details and regulation compliance
- Unobstructed cavity compartment area
- Traditional or timber frame construction
- Accurate cost and stock control

Use

To ensure openings in cavity walls are adequately protected against damp penetration and appropriately shaped to harmonise with whatever style of lintel is deployed. To ensure the compatibility of the horizontal protection with any adjacent vertical closing.

Solution

Type C Cavitrays are preformed horizontal DPC trays designed to be used with all styles of lintel. Trays provide harmonising yet independent protection against damp. Each tray is manufactured from solid DPC material shaped to suit the lintel styles and lintel arrangements over the opening.
Being preformed eliminates the danger of misplacement, sagging and installation deviances associated with conventional roll material. It also means every opening is uniformly addressed, with assured functionality.



CAVIROLL

Premium DPC

- British Standards general purpose roll DPC
- Durable, tough and puncture resistant
- Wide temperature scale flexibility
- Gripgrid surface
- Impermeable and homogeneous

Use

General purpose roll DPC designed to prevent the passage of moisture in brick and block from external sources.

Introduction

Caviroll is a homogeneous polythene roll DPC conforming with the requirements of BS 6515. Promotes excellent tensile strength, will not extrude under normal load conditions and retains flexibility through a temperature range of -50° to +80° centigrade.
Both sides of Caviroll are embossed with a gripgrid surface to aid adhesion with mortar. Caviroll satisfies the specification requirement within table 1 of PD 6697:2010 for a flexible low density Polythene DPC for use within cavity walls in most domestic build applications.
Installation is recommended to follow the amended Code of Practice CP102:1973 and good practice as identified within BS 5628: part III. Always bed Caviroll DPC on mortar and bed masonry on mortar. Adjoining lengths of DPC should be fully lapped by at least 100mm.

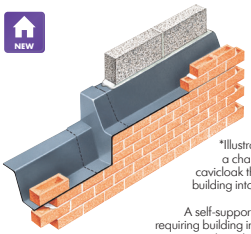


*Illustration shows a change of level cavicloak that requires building into both skins.

A self-supporting version requiring building into one skin only is also available.

CAVICLOAKS AND CAVILENGTHS

Preformed Damp Courses

- Ready-shaped modular DPC cloaks
- Modular components eliminate site fabrication variances
- Accurate scheduling and stock control
- Upstand termination option (self-supporting or return into inner skin)
- Ready to use - no wastage

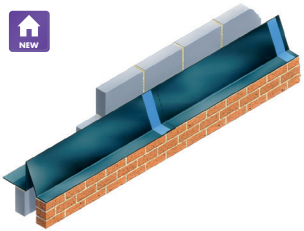
Use

To provide damp course protection that is shaped three-dimensionally and able to protect and service structural elements, level changes and projections.

Solution

Cavicloaks are preformed moulded DPC units for use in cavity walls for use where uninterrupted protection is required upwardly and inwardly.
Moulded from solid DPC Polypropylene, Cavicloaks are self-supporting and hold to profile. Cavicloaks offer flexibility without sagging or distorting. Accordingly additional support is not required when overlapping joints in standard applications.
Cavilengths are moulded to the same profiles as the Cavicloaks. Supplied in easy to handle lengths that lap and seal, they permit long runs to be swiftly created, benefiting preformed continuity and consistency in shape.

NEW



CAVICLOAK RISE AND FALL BARRIER

Preformed self-supporting horizontal DPC

- Self-supporting defined profiles
- Higher level inner skin interruption eliminated
- Easy interfacing with membrane
- Avoids gaps in cavity insulation

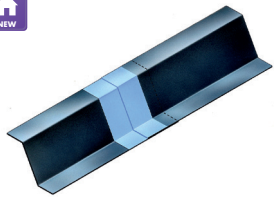
Use

To protect against dampness and rising land gases within external cavity walls. Cavicloak Rise and Fall Barrier Profiles differ from conventional cavity barriers as their use eliminates the need to support merging protective mediums at a higher course level within the cavity wall.

Solution

Conventional cavity barriers commonly have to rise within the cavity more than the statutory 150mm in order to reach a bedding course within the inner skin when 225mm blockwork is used.
Rise and Fall Barriers are self-supporting and can start and finish at the same level or alternatively at any predetermined level. Additionally, Rise and Fall Barriers can feature an extended inboard section that projects through and beyond the inner skin, permitting easy integration with the oversite membrane. Supplied in long lengths with preformed corners and steps, Rise & Fall Barriers can simplify ground level DPC and gas control integration.

NEW



JOINING AND SEALING OPTIONS

Cavicloaks and Cavilengths

- Profile maintained with lap jointing
- Unaffected by masonry module length
- Suitable with skins of brick, block or stone

Use

Methods of joining Cavicloaks and Cavilengths that do not have interlocking connections. Easy linking options to create uninterrupted long runs.

Solution

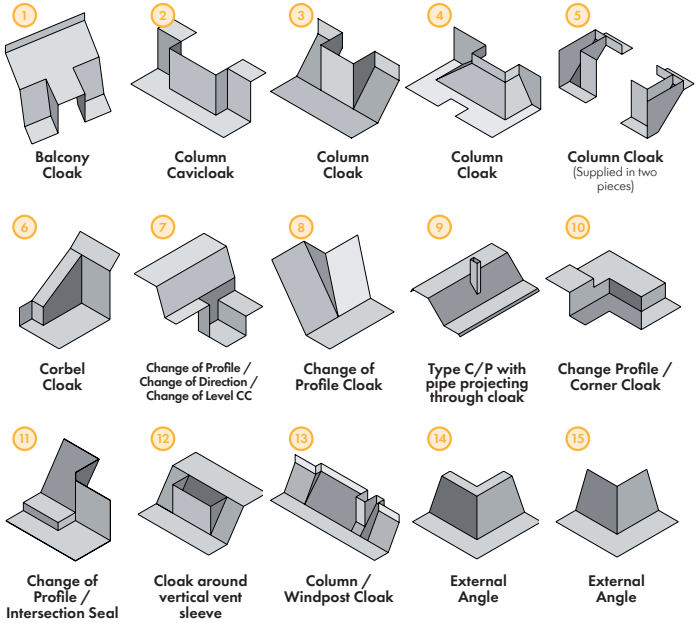
Where adjacent Cavicloaks and/or Cavilengths are required to join, there are two options to achieve a continuous linking. Both utilise some form of overlapping procedure plus the addition of a bonding medium in the form of an edge tape or double-sided linking strip.

NHBC LABC PREMIER GUARANTEE - 6.1 BEST PRACTICE.

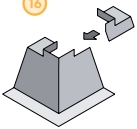
Use of preformed Trays for complicated Junctions

Following the January 2024 revisions within NHBC chapter 6.1 requiring preformed cavity trays to be used for complicated junctions and acknowledging the use of preformed trays advocated by the NHBC, LABC and Premier Guarantee, our extensive range of preformed solutions has risen to exceed 1600. We offer self-supporting preformed tray solutions, permitting the specifier to select models that return into the inner skin or terminate against it.

The benefits of shape support cavity trays include profile compliancy, consistency and peace of mind. Disciplines stipulate all integrations must incorporate rigid support and be lapped at least 100mm. The solutions manufactured by Cavity Trays provide an easy route to compliance. Some examples only of our preformed solutions are illustrated. Please contact us to identify your specific requirements.

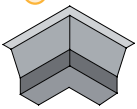


16



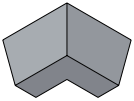
External Corner/ Column Cloak

17



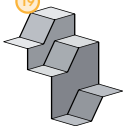
Internal Angle

18



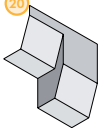
Internal Angle

19



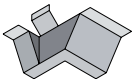
Level Change

20



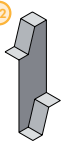
Step down cloak (Small step)

21



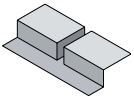
Internal Corner / Column Cloak

22



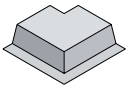
Step Down Cloak (Large step) (150mm - 600mm High)

23



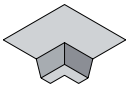
Party Wall Link Cavicloak

24



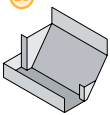
Radon External Angle

25



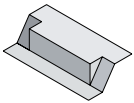
Radon Internal Angle

26



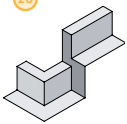
Reveal Protection Cloak

27



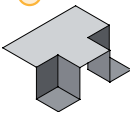
Threshold Cavicloak

28



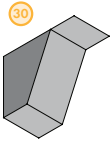
Level Change / External Corner Cavicloak

29



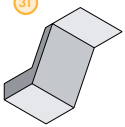
Cloak Over Vent

30



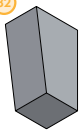
Stopend Cavicloak

31



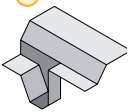
Stopend

32



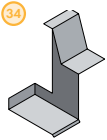
Stopend

33



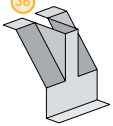
Change of Level / Change of Direction

34



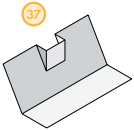
Threshold Step Down Cloak

36



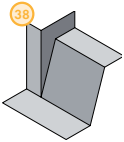
Windpost Cloak

37



Windpost Cloak

38



Windpost Cloak (Handed)

CAVIWEEPS / CAVIVENTS

See Non-combustible section for **Noncom Weepvents**

Pyramid Weep

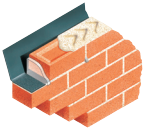
(Masonry Bleed Straw)



The Pyramid Weep is a small robust triangular conduit offering discreet and unobtrusive water evacuation. Positioning the Pyramid Weep so it 'peaks' in a perp joint permits it to be used where the bed courses are restricted or smaller than usual. Water and debris wash along its flat base that permits bedding in the lowest possible position for optimum evacuation.

Beak Weep

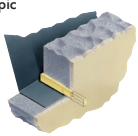
(Caviweep)



The Beak Weep offers discreet water discharge via a small protruding beak. The flow path is direct to an outlet at the bottom of the beak that provides protection against directly blowing wind. The Beak Weep matches the height of a standard perp joint, but has a reduced front section. Weep connecting extension duct available (extends 200mm)

Small Weep-Vent

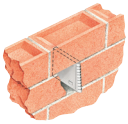
Small Adjustable Telescopic



The Small Adjustable Weepvent offers discreet appearance with a rectangular front discharge outlet and an insect resistant grille. A removable protective flap protects the front face from being contaminated during building-in. The telescopic body of this Weepvent permits it to be lengthened or shortened to suit different masonry thickness / rendered applications.

Type W

Caviweep-Vent



The Type W is a dual-function combined weep and ventilator. It is finished with an inclined insect resistant grille that promotes excellent air flow with the accompanying benefit of internal baffles to arrest wind-driven rain entering. The Type W makes use of positive and negative air pressure to aid functionality. It permits the cavity to breathe and evacuate water from lintels, trays and DPCs. Weep connecting extension duct available (extends 200mm)

Type W

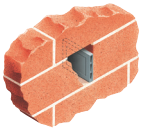
Render Cover



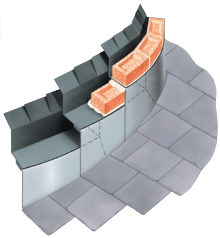
Type W Render Cover - Florescent coloured cover clips to front of Type W to provide protection and keep grille free of contamination during rendering or similar works.

Euroweep-vent

The compact Euroweep-vent provides ventilation to the cavity and an exit route through which water can discharge from trays, lintels and DPCs. Compact size, high air flow rating and minimalist vertical front provide a compromise visually between full perp and small alternatives.



RETROFIT
NEW



CURVED CAVITRAYS ON PLAN

- Damp-proof trays and flashing in one unit
- Ready to use module Cavitrays on bespoke basis
- Cavity width adjustment ensures compatibility
- Integral stopend and water-check
- Permits easy regulation compliance

Use

Bespoke versions of Cavitray suitable for use in curved masonry and masonry forming structures that are circular or constructed with a face that undulates.

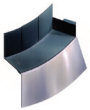
Solution

When a cavity wall is curved on plan, DPC Cavitrays of matching radii ensure the protection in the bedding course is uniform, flat and uninterrupted. Curved trays within the cavity ensure the cavity compartment is adequately protected and the cavity upstands are able to service the maximum cavity width.

Trays can be supplied concave or convex in the following tray types.

- Curved Window and Door Openings
- Curved Parapets
- Curved Gable Abutments
- Curved Horizontal Abutments
- Curved Arresting Barrier Applications

Type X Cavitray for Curved Gable Abutments



Where a pitched roof abuts a curved wall, the angle of the roof may remain constant but the actual angle of intersection differs on every course, depending at which point it meets the curved wall. The protective arrangement commences with a catchment tray followed by differently sized intermediate trays and finishes with a horizontal ridge tray. Each flashing is proportioned to suit the course encountered.
In instances where a pronounced curve might inhibit easy handling, lifting and dressing of attached flashings, the flashings are supplied separately.
See pages relating to Type X Cavitray.

Type Q Cavitray for Curved Walls requiring Arresting Barriers



Curved Type Q trays eliminate the requirement to provide support from the inside skin. In contrast the use of roll DPC requires support and suffers surplus puckering within the cavity in concave situations and material stretching in convex applications. The curved Type Q can maintain a consistent base and cavity presence. See pages relating to Type Q Cavitray.

Type G Cavitray for Curved Horizontal Intersections

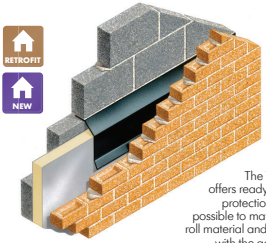


Modified versions of the Type G Cavitray provide protection where horizontal intersections and curved cavity walls meet. The base dimension is commonly widened where the arc and use of rectangular blocks results in the cavity being slightly impinged where ends of blocks meet. See pages relating to Type G Cavitray.

Type C Cavitray for Common Openings



Where walls are curved the Cavitray is supplied to match the arc created by the lintel. Where the curve is very slight and the opening width is not extensive, straight lintels can be considered. In such instances a straight cavitray can be used with widened ends to provide full DPC coverage where the straight lintel line strikes the masonry arc. See pages relating to Type C Cavitray.



The Type CD offers ready-shaped protection it is not possible to match using roll material and does so with the gable wall benefiting structurally.

TYPE CD

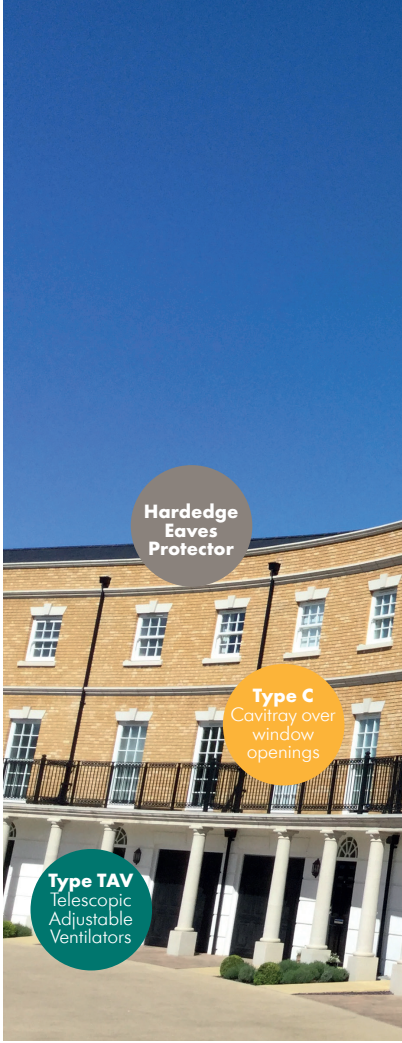
- DPC control independent of external masonry skin
- Uninterrupted structural bonding of outer skin
- Traditional and timber frame compatibility
- Available in all dimensions
- Establishes integral Platt Band & Dentil cavity separation
- Structural integrity of outer skin maintained
- No external leaf witness line damp banding

Use

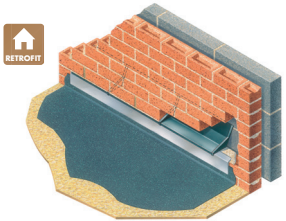
To protect a high level masonry feature that impinges a cavity without weakening or affecting the structural bonding of that feature. To protect a conventionally shaped acoustic or fire cavity barrier on the top of cavity insulation where it terminates partway up a cavity wall (e.g.: gable end).

Solution

Type CD Cavity Dropcloaks are preformed DPC barriers that are built into the inner leaf only of a cavity wall. The outer leaf remains uninterrupted. When used across a gable wall in which cavity insulation terminates at plate level, protection of the cavity insulation is provided without the triangle of masonry rising above it (plate to ridge) being isolated and separated structurally from that below it. (Also eliminates outer skin slip plane weakness / cracking / damp-banding through retention).
May also be used to guard against inward damp ingress where masonry / structural features impinge the cavity width.




Type J
DPC Support
& Closer
Type CD
Cavity
Dropcloak
Type P
Parapet
Tray
Type G
Horizontal
Cavitray
Cavi 60
Fire
Rated
Cavicloser



Only one course is
cut out to accommodate the Type E Cavitray.

TYPE E

Cavitray for insertion into an existing wall

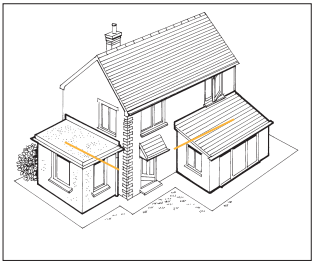
- Brick-sized cavitrays permit progressive insertion
- Anticapil interlocking to form long runs
- Cavity widths compatible - upstand adjusts to suit
- Unobstructed cavity compartment area with stand-alone discharge
- Easy compliance with building regulations

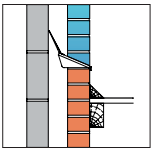
Use

To prevent damp penetrating an original outside wall that has become an inside wall by virtue of an extension being built. To re-establish damp control measures where an original DPC has failed.

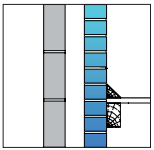
Solution

The Type E is a preformed DPC Cavitray which is inserted into an existing cavity wall. The Type E requires only one course of bricks to be disturbed, with just a few bricks removed at any time. The self-contained Type E Cavitrays are the length of two bricks, and clip together, so long runs are easily and quickly created. Preformed angles cater for corners and piers. Each unit has stand-alone discharge via a weep. Suitable for all popular cavity widths because the cavity upstand of the Type E is hinged and adjusts to always suit the 'as-found' cavity width.

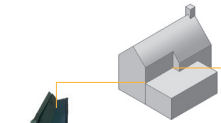




Type E cavitrays with extended flexible upstands are particularly suitable for non-standard or varying cavities.



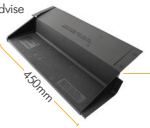
Rain penetrates the external skin, which becomes an internal skin below the new roofline.



Universal external angle.
220mm x 220mm.
For convenience Type E standard internal and external angles are equally handed. Additional perp joints will therefore occur when bricking back. If handed angles are preferred, please determine header and stretcher positions on each corner and advise when ordering.



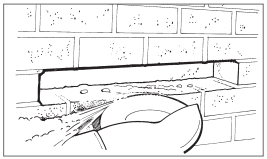
Universal internal angle.
120mm x 120mm.



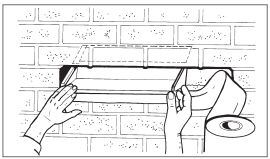
Type of Existing Masonry

Where the masonry skin into which trays are to be inserted is not brickwork, the Type E Cavitray can be supplied in dimensions to suit. Our bespoke service can accommodate most requirements, including trays with provision for windposts, stanchions, changes of level and set-backs in the finished face line.

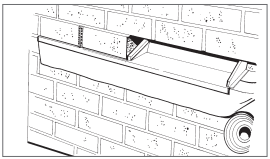
Specifications



Step 1 - Three bricks are removed from the wall forming a 675mm opening (an angle grinder /cutter is ideal for cutting out).



Step 2 - One cavitray is inserted together with the flashing intended for dressing over the skirting of the roof finish (flashing approx 50mm into wall).



Step 3 - Two bricks are replaced in the wall into the Cavitray. They are jointed and securely slate pinned, leaving the wall above safe and firm.
A Weepvent is incorporated in the middle perp. Two more bricks are removed again forming a three brick space. The flashing is extended and a second Cavitray inserted. The integral U clip joins the trays, ensuring that no water can penetrate. Two more bricks are inserted and a weephole again formed. There are now two adjoining but completely self-contained Cavitrays. The method is continued until the required run is completed. (Always bed on mortar. Do not dry bed.)



Type E Cavitrays with Type W Caviweeps

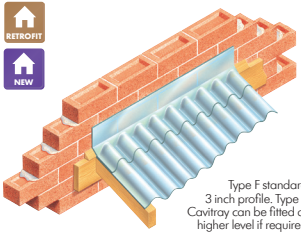


Type E Cavitrays used without flashing, over an existing opening where the original damp course has failed or has been omitted. The exact course in which the cavitray is introduced varies depending on the construction detail.

Dual Exposed Elevations

Tray upstands always project upwardly in the cavity. The exception is where an inner skin is also externally exposed and receptive to the weather, as might be encountered in a parapet wall.
In such instances trays either incorporate an additional flap that turns down prior to making contact with the masonry, or should trays be back to back with others in the opposite skin, a clipping arrangement is provided to fulfil the same function. This approach prevents upstand under-tracking. We will be pleased to identify and advise should this requirement arise.
Tray dimensions suit most current popular bricks sizes.
Non-standard and imperial sized brick trays are manufactured specifically to order.

RETROFIT
NEW



Type F standard 3 inch profile. Type E Cavitray can be fitted at higher level if required

TYPE F

PVC Corrugated Flashing for use with PVC Sheeting

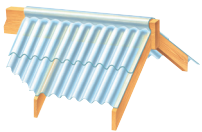
- Fills and flashes sheet top with masonry
- Adjusts to suit different roof angles
- Blends with roof finish

Use

To flash the intersection between corrugated roof sheets and a masonry skin.

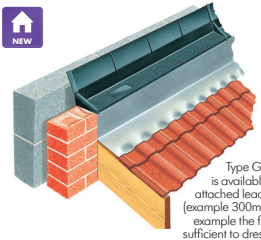
Solution

The new Type F corrugated flashing units can be used on porches, lean-to's, outhouses, conservatories or temporary structures having lightweight translucent corrugated roof sheeting. The Type F flashing unit incorporates a unique integral hinge, usually making it suitable for any angle of roof from 17.5 degrees up to and including 60 degrees. The units are fixed simply by positioning before securing the top of sheet fixings, which then hold the units in place. The Type F fits against the corrugations snugly, whilst the upstand springs to shape vertically against the wall. The upstand can then be finished off with a flashing/cavitray.



Ridge Flashing flexes to accommodate varying roof pitches. Size: 700mm x 3" asbestos profile

NEW



Type G Cavitray is available with an attached lead flashing (example 300mm.) In this example the flashing is sufficient to dress directly over the abutting roof tiles.

TYPE G - WITH FLASHING

General purpose Cavitray for changes of level and building off the solid or ringbeam

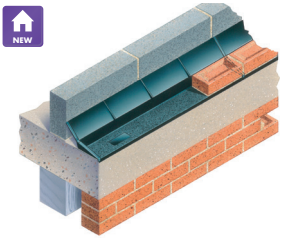
- Easy and fast building-in with brickwork sized units
- Adjoining lengths interlock
- Adjustable upstand ensures cavity width compatibility
- Traditional or timber frame construction
- Unobstructed cavity compartment area
- Establishes consistent build quality detail

Use

To form a cavity-crossing horizontal DPC within a cavity wall. To overcome joint and support concerns in crossing the cavity. To eliminate the need to build into the inner skin. To ensure the external flashing arrangement servicing a horizontal DPC has a watertight union where it connects.

Solution

The Type G is supplied in preformed lengths and preformed angles. Long runs can be rapidly laid with adjoining sections interlocking via integral stopends that coincide with masonry perp joints. All arrested water is discharged via Caviweeps. The standard Type G profile suits cavity widths from 50mm up to 160mm and is available in lengths to suit masonry coursings. The Type G is suitable for traditional and timber frame construction and cannot deform or misplace like conventional roll dpc.



TYPE G - NO FLASHING

Preformed Horizontal Cavitray without Flashing

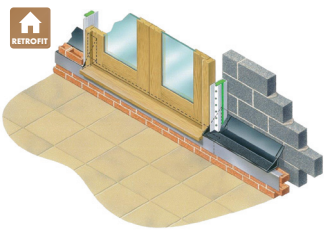
- Adjusts to suit cavity width
- Unlipped tray for subsequent site flashing addition
- Lipped tray for edge beam applications
- Lipped bedding course protection
- Inter-connecting units form long runs
- Independent Caviweep water evacuation

Use

Preformed DPC Cavitray to protect horizontal intersections where flat roof / mono pitch roof or lean-to roofs abut a cavity wall. Also for use to protect where masonry is built off a concrete ring beam.

Solution

The Type G Cavitray is available without an attached flashing, with the front terminating with or without an external projecting lip. The unlipped version permits the installer to rake-out and introduce separate flashing at a later date. The lipped version offers bedding course protection, beneficial when building off the solid. Compatible angles and steps.



TYPE GBOT

Type G Balcony Opening Tray

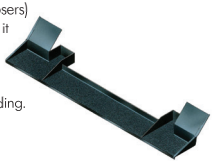
- Integrates vertical and horizontal DPC mediums
- Establishes stopends to opening
- Prevents cavicloser discharging below intersection
- Two format options

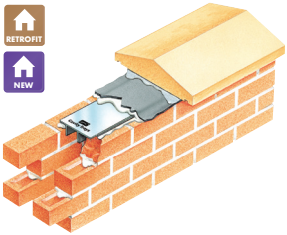
Use

Provides interfacing between horizontal cavitray and vertical cavicloser at opening onto balcony thus preventing closer water gravitating below the critical level of protection. Introduces integral stopend at vulnerable doorframe termination point.

Solution

Type GBOT Balcony Opening Trays are normally supplied in three sections. A centre section accommodates the frame sill, and two side sections, each of which receives the reveal vertical closer and extends to provide an integrating link with the adjoining Cavitray horizontal protection. Water gravitating between the closer anti-capillary fins (demanded by Building Regulations to be on the face of the closers) is arrested before it has opportunity to discharge downwardly and soak into the building.





TYPE J

DPC Support and Closer

- Closes the cavity
- Supports the DPC
- Prevents water pooling under coping
- Satisfies BS 5628 requirement

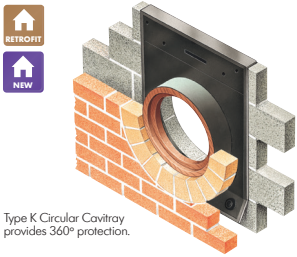
Use

Closes cavity and provides DPC support where it crosses the cavity under parapet copings.

Solution

The conventional cavity parapet is normally terminated with copings, under which a DPC is bedded. The width of the DPC is required to be sufficient to slightly overhang the width of the parapet masonry. Support of the DPC is required where it crosses the cavity. The Type J Support and Closer is designed for such purposes. The Type J is manufactured from PVCU or Polypropylene. The Type J is bedded on mortar prior to the DPC being laid on mortar across its top. Water permeation via any parapet coping is commonly through fissures and cracks that manifest in the coping joints following seasonal temperature and weather changes. Penetration can also eventually occur through the actual coping itself, and long term waterproofing resistance should not be assumed.
Available in various widths.

Specify cavity width;
J1 for 50/75mm cavity
J2 for 100mm cavity
J3 for 100mm+ cavity



Type K Circular Cavitray provides 360° protection.

TYPE K

Circular Cavitray for circular / bulls-eye openings

- Horizontal and vertical DPC in one unit
- Enveloped 360 degree protection
- Permits continuity of cavity insulation
- Frame position options
- Range of sizes
- Isolates frame edge from damp masonry
- Surround feature masonry not interrupted
- Optional thermal collar

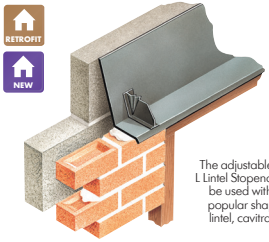
Use

To correctly damp-proof circular openings.

Solution

The Type K Circular Cavitray is manufactured from solid DPC and is supplied in one piece ready to receive the circular window. It fits snugly around the frame providing a 360 degree barrier. The circular window is immediately enveloped in a durable Cavitray thus ensuring correct and thorough protection. The inside skin of the cavity wall and the sides of the circular frame are protected from dampness.

The Type K Circular Cavitray accommodates numerous cavity widths and numerous frame positions. The Cavitray travels downwards within the cavity until it passes the bottom of the circular frame. At this point the base projects forward so any arrested water is directed away from the inside skin.



The adjustable Type L Lintel Stopends can be used with most popular shapes of lintel, cavitray and DPC.

TYPE L

Type LAS Adjustable Stopend and Fixed Stopend

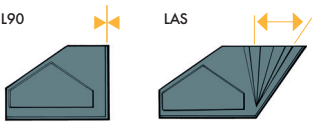
- Adjusts for secure fit
- Ensures consistent and compliant build detail
- Integral bonding strip in base
- Suits wide range of styles and shapes
- Stops water discharge into cavity
- Satisfies NHBC / LABC requirement

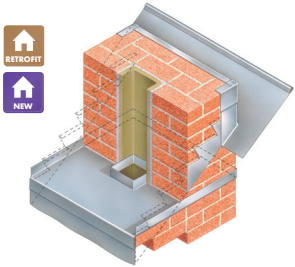
Use

Stopends for application onto lintels, DPCs and Cavitrays to prevent water discharging off ends into cavity.

Solution

Stopends are manufactured from polypropylene and offered in two standard sizes that suit most popular applications. The base of every stopend incorporates a butyl anchoring strip. The Type L 90 has a 90 degree upstand and is used with lintels, trays and damp courses rising vertically in the cavity. The Type L Adjustable Stopend has a concertina arrangement and can service a range of cavities 50mm to 100mm max where rise is 150mm or cavities up to 100mm where rise is 225mm.





LEAD PRODUCTS / SUPPLY

- Standard and bespoke fabrications
- BS EN 12588 material
- Widths to 2400mm (rolls)
- Various lead weights/thicknesses

Use

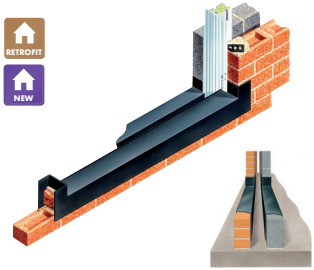
Lead remains one of the most malleable and durable materials for flashings and weather resistant construction connections. Its longevity makes lead an attractive medium where a building life in excess of the sixty years demanded by Eurocode requirements is sought. We manufacture standard and bespoke products using cold rolled milled lead to BS EN 12588:2006.

Cut Sheet Service / Roll Supply Service

Pre-cut sheets and pieces are available. We recommend observance of restricting cut sizes to within the maximum lengths and widths recommended by the Lead Sheet Association. Maximum roll size is 2.4metres x 6 metre. Weights available up to code 8.

Bespoke Leadwork

Our bespoke service offers made to measure fabrications in a variety of lead weights. We will be pleased to quote. Fixing block weather caps, head flashings and butterfly crossovers are examples.



TYPE LTT

Level Threshold Tray (Threshold Isolation Tray)

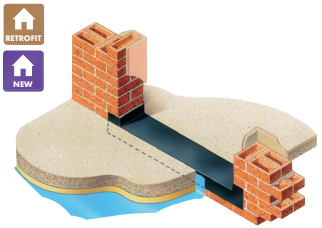
- Isolates damp masonry
- Easy interfacing of horizontal and vertical arrangements
- Increases flooring and insulation options
- Standardised protection detail ensures integrity
- Reveal masonry wrapped at critical junction with floor
- Isolates against rising and penetrating damp
- Not visible when installed

Use

To protect level thresholds against damp and ensure the adjacent vertical closing and oversite membrane maintain protective integrity at the point of convergence.

Solution

The Type LTT Level Threshold Tray encapsulates the opening masonry exposed to damp penetration or subject to damp infusion. In so doing the transmittance of damp from the exterior skin inwardly or from the skin upwardly is prevented and the flooring arrangement can safely integrate.
The Type LTT is available in a range of sizes to suit the masonry dimensions of all standard openings. A bespoke service operates for non-standard sizes.



TYPE LTT - REMEDIAL / RETROFIT

Encapsulation DPC when extending building / breaking through new opening

- Introduce the missing protection where exterior wall is broken through
- Reveal upstands wrap and protect
- Guards against rising dampness
- Protects when floor is extended
- Not visible upon completion of works

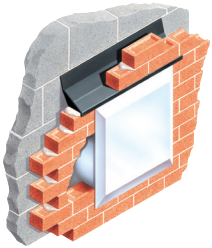
Use

To encapsulate and isolate an exterior wall at floor level where it is exposed following the breaking through of a new opening in that wall to link into an extension / building attachment. Also to encapsulate and isolate a solid exterior wall at floor level to permit the interfacing with new building works without damp transference (where a 9 inch (225mm) solid wall is exposed across a new opening).

Solution

A variation of the Type LTT Level Threshold Tray described on the previous page is now available in dimensions to suit alternative wall thicknesses, permitting it to be used in conversion, alteration and extension works of an older property with solid original walls.

RETROFIT
NEW



Type M Cavitray for use over meter boxes.

TYPE M

For use over meter boxes

- Self-supporting upstand adjusts to cavity widths
- Traditional or timber frame construction
- Unobstructed cavity compartment area
- Ensures compliance with guidance standard

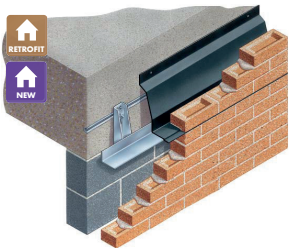
Use

To provide protection against damp where a standard meter box impinges the cavity and services enter.

Solution

The Type M Cavitray provides horizontal protection against damp penetration where a cavity wall accommodates an electricity or gas meter consumer supply unit.
The Type M Cavitray is manufactured from polypropylene and supplied with a hinged cavity upstand that adjusts to protect the cavity width encountered. Water discharge off the ends of the Type M is prevented by integral stopends. For the stopends to coincide with masonry perp joints may necessitate the tray being slightly off-centre, but it is sufficiently long to ensure cover is maintained, and the tray is not visible once built-in.
The Type M Cavitray does not require building into the inner skin.

RETROFIT
NEW



MASONRY SUPPORT

Cavitray Systems

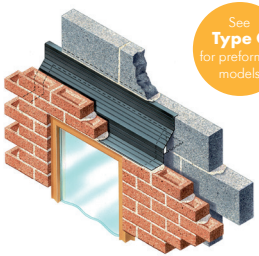
- Maximises DPC protection against water ingress
- Pre-shaped to match support system
- Consistent shape and build detail
- Clear cavity compartment area

Use

To provide DPC protection where masonry rises off a metal support system.

Solution

When constructing off a masonry support system, the DPC is commonly incorporated at a higher level than is ideal, This is because of the difficulty in bringing together and maintaining a consistently profiled relationship using roll material on steel. The DPC protects, but does not protect to the maximum extent. Water remains able to ingress into the steelwork.
Masonry Support Cavitrays are semi-rigid DPCs supplied preformed in ready-to-use lengths. They are specifically designed to integrate with whatever masonry support system is being used. Cavitrays locate onto the steelwork, thus affording full protection. Trays are self-supporting within the cavity and usually secured against the inner skin using accompanying Cavistrap.
Type Z Cavistrap is manufactured from semi-rigid PVCU and is profiled to provide consistent pressure to hold the top of the Masonry Support Tray in place. See Type Z Cavistrap product entry for further details.



See **Type C** for preformed models

TYPE MPC

Multi-profile Cavitray for window & door openings

- All-shape - fit-all tray
- Convenient lengths shape to suit construction detail
- May be used with most styles of metal, concrete and timber lintels
- Cavity widths from 50mm to 150mm
- Robust and almost puncture-proof
- Positive profiling - no distortion or sagging like roll material

Requirements

To provide compatible compliant DPC protection that can be positively shaped to harmonise with whatever lintel type and lintel profiles are being used over window and door openings within external cavity walls. Hinge Type MPC backwards or forwards along the angle-change grooves. Create the shape you require to suit your lintel and construction arrangement.

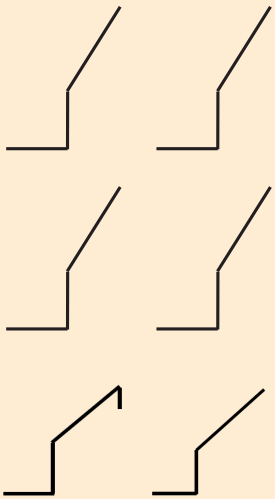
Solution

MPC cavitrays are preformed L-shaped DPC lengths that feature integral linear grooves throughout their length. Each Type MPC has an L-shaped base to ensure it locates accurately and positively within the external masonry leaf - providing horizontal protection across the cavity wall opening.

The vertical-rising section of the tray has grooved adjustable hinging points to enable the installer to angle the cavity-rising section to suit whatever lintel type, dimensions and construction configuration deployed.

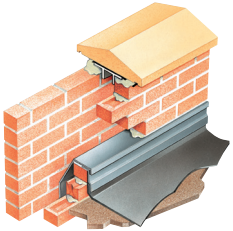
Adjustability, adaptability but with disciplined positive shaping – unlike roll DPC. Thermal voids in cavity insulation can be avoided and the tray can self-support or return into the inner leaf

Type MPC Multi Profile Cavitrays + Caviweeps + Cavi Stopends for build consistency + accurate stock/cost control.



Type MPC Typical Profiles

RETROFIT
NEW



Type P Cavitray shown here with Type J under coping.

TYPE P

Cavitray for Parapet Walls

- Enhanced parapet structural stability
- Takes up cavity variances
- Lip protects flashing bedding course
- Outward stepping profile stops under-tracking
- Eliminates course interruption and band banding

Use

To provide protection against damp penetration where a parapet wall rises above roof level.

Solution

The Type P Cavitray is a rigid horizontal DPC, manufactured in long lengths. Preformed angles enable the complete installation of a parapet damp course to be carefully planned and controlled. It is self-supporting and requires building-in to one skin only. Accordingly, the structural stability of the parapet is enhanced when compared with parapet standard details and related problems. Water collected within the cavity can discharge against the inside face of the building's exterior skin. Penetrating water therefore discharges regardless of the direction of the prevailing wind or rain, whilst also permitting the cavity to breathe. Type P Cavitrays can be supplied in almost any special size with dimensions to suit client's particular needs. Adjoining lengths glove-lap to make up runs. Always state actual cavity width.

RETROFIT
NEW



Housebuilder Best Product **WINNER**

TYPE PAT

Protective Adjustable Threshold

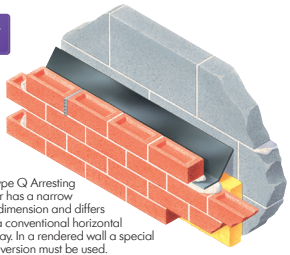
- Contaminated Land Application when integrated with adjoining elements
- Rising gas arrested and controlled
- Downward gravitating water evacuated
- Integrates with reveal Caviclosers
- Adjusts to construction course levels

Use

The Type PAT is a protective adjustable threshold cavitray. It provides integrated protection against rising land gases such as Radon plus DPC integrity where door openings interrupt wall gas barriers within the external cavity walls of a building built on contaminated land.

Solution

The Type PAT is a three-dimensional moulded unit that is bedded within the external wall opening.
It is supplied in several interconnecting sections. Side connectors slide up and down to the level required to match the level of adjacent cavity wall gas barriers in the external walls. Side connectors have projecting profiles to positively link the wall barriers. Caviclosers locate into the recessed reveal sections and gravitating water may evacuate via an integral drain conduit.



The Type Q Arresting Barrier has a narrow base dimension and differs from a conventional horizontal Cavitray. In a rendered wall a special wider version must be used.

TYPE Q

Arresting Barriers

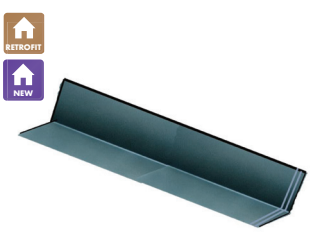
- Traditional or timber frame construction
- Accommodates cavity widths variance
- Rigid profile eliminates sagging or misplacement
- Clear cavity compartment area

Use

To arrest water-wash within the cavity and thus minimise water penetration impact to specific areas or features.

Solution

The function of Type Q Arresting Barriers is to invisibly arrest and reduce water-wash. The area of wall below barrier level is still damp and receptive to rain penetration, but the accumulation of water gravitating from above is lessened. Influencing and controlling water volumes within a wall in precise locations can stabilise impact and demands on adjacent protective measures.
Type Q Arresting Barriers are manufactured from semi-rigid Polypropylene DPC with a Secutex textured finish. Barriers do not extend through the full depth of a skin but stop short of the external face so there is no visual presence. Barriers are manufactured to suit specific cavity widths but do offer some flexibility to tolerate impingements within the cavity. Barriers are not suitable for use with flashings.



READY DPC

Pre-shaped multi- application DPC

- Can suit various cavity widths
- Self-supporting
- Integral seal strip
- Cost effective convenient 1200mm lengths

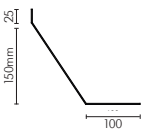
Use

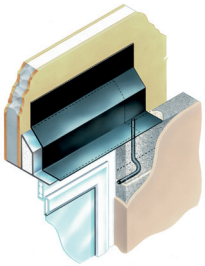
General purpose pre-shaped DPC lengths for everyday applications; over openings, horizontal intersections, vertical breaks.

Solution

General purpose DPC pre-shaped lengths may be considered for use in new building and alteration projects requiring a traditional approach but utilising a pre-shaped medium. Butyl sealing strip features at one end permitting long runs to be formed if required. Preformed medium many builders consider the ideal standby to have in their van as the convenient shape flexes and can fulfil numerous useful functions.
As adaptation and installation is dictated by the installer responsible, warranty for this DPC extends to the material only.

Dimensions
150mm rise x 100mm base
Material Polypropylene DPC
Pack size 6 metres
(5 x 1200mm lengths)





TYPE SDC

Self-Draining Cavitray

For Rendered Walls Incorporating finishes/features of Differing Absorbency and /or exposed Rendered Cavity Walls

- No visual interruption to rendered elevation
- Water evacuation provision throughout life of building
- Anticipates all renders will develop fissures and cracks during lifetime of structure

Use

To provide above window and door openings within externally rendered cavity walls, the requisite DPC protection featuring integral water evacuation conduits, permitting penetrating water to discharge out of the structure without weeps visibly punctuating the main elevation.

Solution

The Type SDC differs from a standard Type C tray by having integral drainage outlets in its' base. These permit arrested water to evacuate the tray via tubes that terminate with discharge outlets within the rendered reveal forward of the opening frame. The main elevation remains aesthetically unpunctuated. Trays manufactured longer than usual so drainage outlets are clear of lintel ends and stopends can be incorporated in naturally-occurring perp joint beyond drainage area. Bespoke service.

The Type SDC mirrors the logic applied to fitting an overflow pipe to an attic water tank or to a toilet cistern – it provides a water evacuation route rather than allowing it to cause damage to the structure whenever the situation should arise.
Protection with integral passive discreet reveal outlets – the Type SDC Self Draining Cavitray.



Conventional weeps visually affect the appearance of the rendered elevation.



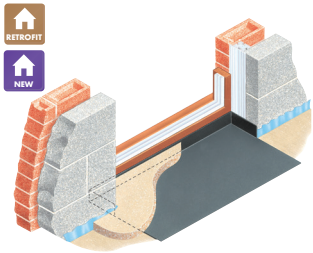
Weeps omitted so water is trapped on DPC between stopends



Water has penetrated causing render to fail throughout elevation.



Type SDC water evacuation is in place with the discreet outlets set back in the rendered reveal.



TYPE TST

Threshold and Sill Overlay Tray

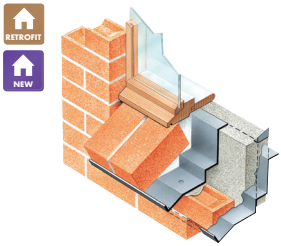
- Standardised ready-shaped solution for openings
- Ensures continuity of oversite membrane protection
- Not susceptible to misplacement or damage

Use

To alleviate damp protection shortfall at door openings where horizontal and vertical DPCs merge.

Solution

The Type TST Tray is a moulded three-sided DPC overlay tray designed for use at door openings. It is positioned on the oversite prior to the laying of the screed. Its function is to ensure the damp external skin masonry and the vertical closing DPCs are isolated from and cannot connect with the screed. The Type TST ensures a protective layer exists against the reveals and the sill.
The base of the Type TST Tray is enveloped under the screed for the full width of the opening and provides an effective extension of the oversite membrane. It addresses localised DPC and membrane misplacement and aids regularisation of damage to these mediums that commonly occurs through foot traffic during the course of construction.
Where sills of low or minimal rise are incorporated, it can be particularly beneficial in establishing a positive interfacing.



TYPE U

Undersill Tray

- Shaped DPC Cavitray
- Integral sill alignment facility
- Ensures consistent build detail
- Selection of profiles
- Traditional or timber frame construction

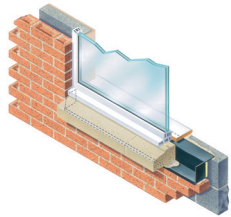
Use

To aid masonry sill formation. To protect sills from permeating dampness inwardly.

Solution

The Type U Undersill Tray is a preformed DPC unit that acts as an alignment guide when constructing a sill in brick, tiles or stone and once built-in provides the protection demanded to arrest damp penetration.
The Type U Tray can be moulded in a variety of profiles to suit the style and size of sill required. Once bedded in position, the sill bricks or tiles can be laid using the profiled tray as an integral guide that is enveloped within the construction. To the front of the tray is a projecting upturned lip to provide accurate tile or brick sill alignment. This lip is detachable once the completed sill mortar has set.
The Type U Tray is designed to permit transient drainage through apertures moulded within its base bedded in the exterior masonry skin. To each end of the tray moulded stopends prevent discharge into the cavity.
Trays are suitable for use in both traditional and timber frame construction.

RETROFIT
NEW



TYPE U UNDERSILL ENVELOPMENT TRAY

For use with stone, concrete and jointed solid sills.

- (For site-formed tile and brick sills, see Type U Undersill Tray)
- Prevents damp permeating inwardly
- Integral end upstands
- Integrates with reveal DPC
- Satisfies LABC 7.4.13
- Satisfies NHBC 6.1, table 9

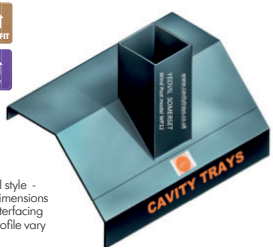
Use

To prevent damp ingress inwardly via stone, concrete and jointed solid sills.

Solution

Undersill Envelopment Trays provide the requisite DPC presence in and around stone, concrete and jointed solid sills when incorporated within cavity wall construction. Manufactured from solid polypropylene, trays extend up the back and ends of the sill, and pending the construction detail, return either immediately under or a course below the sill base.

RETROFIT
NEW



Typical style - post dimensions and interfacing tray profile vary

TYPE WPC

Windpost and Parapet Post Cloaks

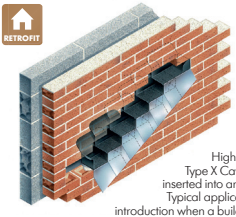
- Lateral and gravitational damp protection within the cavity
- Consistent compliant protection
- For use with various BS EN 1090-1 / EN 1993 (Eurocode 3) posts
- Preformed, cost and stock control
- Manufactured using recycled material

Use

Vertically rising windposts provide lateral support of masonry within a cavity wall and their position can impinge the cavity to a varying extent, dictating accompanying damp protection measures are incorporated. A range of preformed Type WPC Windpost Cloaks are available to provide protection around windposts and parapet posts, and interface with adjacent trays and DPC's.

Solution

The Cavity Trays range of preformed Type WP Cloaks enables designers and installers to comply with Best Practice, British Standards, and PD6697. Awkward damp-proofing junctions and penetrations are simplified and junctions and leakage paths prevented. Preformed Type WPC Windposts permit installation to be speedily and cost effectively protected.
Based on a range of styles, Type WPC Cloaks are available in dimensions to suit clients' requirements. Manufactured of solid Polypropylene, they eliminate the variances, mistakes and difficulties of on-site fabrication.



High performance Type X Cavitrays can be inserted into an existing wall. Typical applications include introduction when a building is added to an existing structure or where the original DPC has failed.

TYPE X

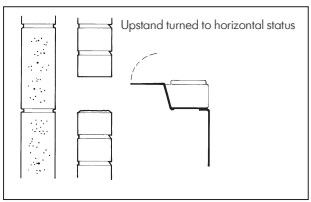
Existing Wall and Remedial Applications

Use

For insertion into existing cavity walls, to introduce a functional DPC and flashing where an existing has failed, has been omitted, or is required because a new pitched roof is to abut. (eg. Extension or conservatory roof).

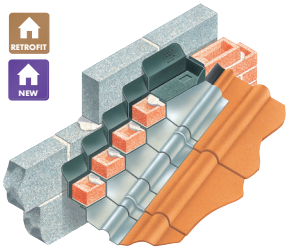
Solution

The upstand of the Type X Cavitray is hinged, which permits it to be turned to horizontal status. In this position, the standard Type X Cavitray takes up the height of one brick course only, which allows its introduction into a cavity wall with the minimum of disturbance to the surrounding structure.
The cavitray is bedded onto the mortar as it is pushed into position, and at the same time the cavity upstand is allowed to take up its correct angle within the cavity. The amount of masonry which must be removed is kept to an absolute minimum compared with most methods.






Continuity Closer
Caviweeps
Type SDC Self-Draining Cavitray
Type U Undersill Tray
Cavibrick



TYPE X

Cavitray for Gable Abutments

Use

Preformed DPC Cavitray complete with an attached ready-shaped lead flashing to form a stepped cavity DPC and flashing at the abutment of a pitched roof with a cavity wall. The Type X is the only "high performance" classified Cavitray for gable abutments, and offers the builder numerous benefits. Ideal for new-build applications.

Solution

Every stepped and every staggered gable abutment must be so constructed to prevent rainwater and dampness from penetrating below the abutting roof line. This is because the external skin changes status below the roof line and becomes an internal skin. The system fulfils three basic requirements:

1 It prevents dampness from penetrating below the critical stepped roof line.

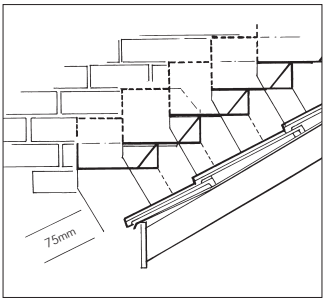
2 It externally weatherproofs and flashes the physical roof/masonry intersection.

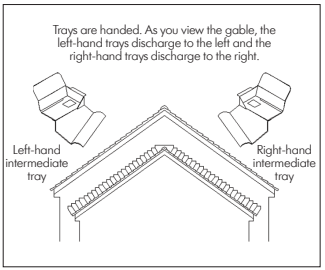
3 It also prevents the inside skin from becoming damp.

The high performance Type X Cavitray speeds up operations on site and ensures a good and known quality of build. Type X trays are handed, to suit left hand slopes and right hand slopes. Every tray is a self-contained unit, with its own ready-shaped lead flashing attached. Select long leads to dress directly over tiles, or alternatively short leads to dress over the upstand of a secret gutter or soaker.

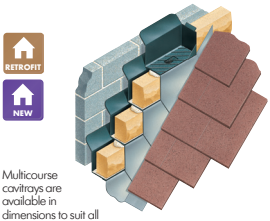


Standard brickwork courses





Unlike other systems, the Type X has an adjustable cavity upstand so it always suits the actual cavity width and is therefore always compatible. Just bed in position and flush point as the external skin is raised. At a later date the lead flashing may be dressed.



Multicourse cavitrays are available in dimensions to suit all masonry course heights and all thicknesses of external skin. The Multicourse tray style varies pending course height and masonry thickness. The illustration is an example of one such style. Illustrated is left hand long lead tray.

TYPE X

Multi-course and Multi-depth Cavitrays

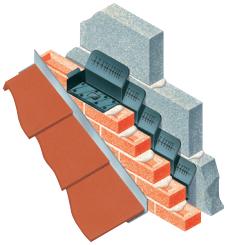
- Ready-shaped attached lead flashing
- Traditional or timber frame construction
- Clear cavity compartment area
- Sizes to suit: All course heights, All masonry thicknesses, All cavity widths, All pitches of abutment

Use

Damp arrestment and weathering flashing provision where sloping roofs abut cavity masonry walls.

Solution

Where different masonry dimensions and/or skin thicknesses are encountered, trays are available from the Multi range to suit. Tray style and functionality is based on the Type X design. Trays are dimensioned to accommodate the masonry height (coursing) and the masonry depth. The end upstand of every tray (inboard end) rises and integrates with the base of the tray in the course above. A DPC staircase arrangement is created, with connecting treads and connecting risers. Regardless of whether all masonry courses are identical or there is a mixture of courses, all trays connect with each other. The DPC arrangement is unbroken. If the masonry thickness (exterior skin depth) is greater than the usual standard (105mm nom) the tray is correspondingly enlarged. Should the exterior skin be in a medium such as natural stone built against a backing block, the tray base is proportioned to extend through the combined thickness.



ADVANTAGE RANGE

Unleaded Gable Abutment Trays

- Standard trays suits pitches from 17.5°
- Cavity width adjustment 50mm to 160mm
- Solid moulded DPC tray with integral stopends
- Clear cavity compartment area

Use

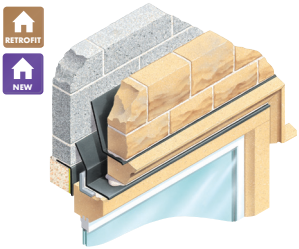
Cavitray to provide stepped DPC presence within wall only.

Solution

The Advantage Unleaded Gable Abutment Cavitray is for use by installers who wish to introduce their own flashing medium at a later date. Each unit is moulded from DPC and has a variable cavity upstand. When trays are built into an exterior skin, provision must be made to receive the flashing to be installed at a later date. This is achieved by raking out the mortar whilst still green, to leave a 25mm minimum recess under the front of the tray.

Advantage trays can be supplied with an optional polystyrene strip under each front edge. This strip provides the installer with soft polystyrene to rake-away rather than mortar. It is preferred by many operatives as it ensures a freely accessible slot is always available. When flashings are cut and installed, we recommend individual flashings are fitted under each tray and all flashings overlap sufficiently to provide adequate weathering protection.

Trays are designed for use in standard 75mm (brickwork) courses.



TYPE Y

Stone Mullion Assembly Cavitray

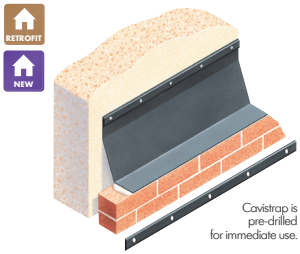
- Preformed for immediate use
- Packaged per opening
- Consistent detail with regulation compliance
- Different cavity widths accommodated

Use

To protect mullion window assembly from damp penetration.

Solution

Mullion window assemblies manufactured from synthetic or real stone generally require a total of three Cavitrays to maintain damp course integrity across the window head. Type Y stone mullion assembly Cavitrays are preformed and each requires building into one skin only. An upper tray arrests the flow of penetrating water preventing the flow reaching the label-mould where a second tray offers protection where the cavity width is restricted. A third tray with optional insulation isolates connection between inner and outer skins.



TYPE Z CAVISTRAP

Strap to secure flexible DPC to inner skin

- Easy to handle and use
- Pre-drilled
- Shape accommodates surface irregularities
- Cost effective method to mechanically secure flexible DPCs

Use

To uniformly hold and secure polymer, bitumen, polythene and flexible DPC mediums in position.

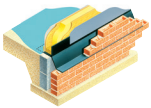
Solution

Where flexible DPCs require support against an inner skin, Type Z Cavistrap may be used to provide uniform retention. Type Z Cavistrap is manufactured from semi-rigid PVCU and profiled to apply consistent pressure to hold all types of flexible DPC to shape.
Cavistrap is slightly arched in profile and supplied with pre-drilled fixing holes. As the strap is secured and the fixings tightened, the strap profile slightly flattens and takes up minor irregularities in the surface under.

TIMBER FRAME AND SIPS PREFORMED DPC PROFILES

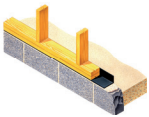
Type TFC

- Moulded dual-purpose construction barrier
- Acts as DPC, gas and Cavitray barrier
- Interfaces with oversite membrane
- Utilises Cavibrick gas ventilation and Caviweep water evacuation
- Preformed for compliant and consistent placement and protection
- All dimensions variable to suit build detail



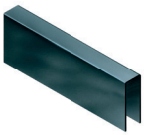
L Shaped and T shaped Sole Plate -

- Moulded DPC protection for use under sole plates
- L and T profile options + corner sections
- Extended inboard for oversite membrane lap joining
- Robust - will not distort or sag
- Fixing through upstand secures but does not compromise plate integrity
- All dimensions variable to suit build detail



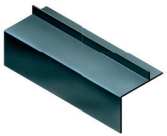
Capping Profile

- Moulded DPC protection cap
- Protects top of ground floor support wall
- Isolates masonry from timber
- Upturned U shape envelopes three sides
- Eliminates misplacement associated with roll material
- All dimensions variable to suit build detail



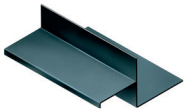
Ground Bearing Concrete Floor Construction/ Timber Door Sill

- Moulded dual-function DPC profile
- Protection from sill to oversite DPM
- Sill back upstand check
- Permits easy lap on lap sealing with DPM
- Avoids horizontal sagging associated with roll material
- All dimensions variable to suit build detail



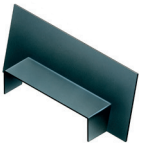
Sole Plate Render/ Timber Cladding Detail

- Combination DPC with isolation upstand
- Extends protection to inner face of timber skin
- External lip provides edge for ventilation grid
- Addresses TRADA Timber Frame detail
- Profiled positivity – no sagging
- All dimensions variable to suit build detail



Timber Frame Straight Ventilation Protection

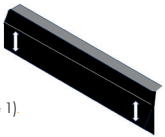
- Wraps sleeve to protect against wet bridging
- Secures against timber frame membrane
- Shields perforated area adjacent to sole plate
- Standard and bespoke dimension choices
- Cavibrick and Cavisleeve compatible
- Eliminates on site fabrication and sealing



AUXILIARY PRODUCTS AND SPECIALISED APPLICATIONS

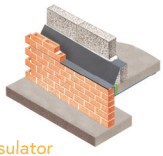
Inner Skin Drop-Link

Building into the inner skin is not necessary with approved self-supporting trays, but should specific regional regulations or custom require a tray upstand to link with an inner skin, Inner Skin Drop-Links provide an advantageous way of so doing. Supplied with a horizontal section to build into masonry inner skins, or a vertical section to attach where the inner skin is timber, SIPS or similar, Inner Skin Drop-Links provide an effective way of connecting and addressing also differential movement (NHBC 6.2.8 table 1)



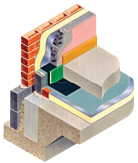
Exempt Conservatory Base Type ECB

Provides sub-structure damp protection where a restricted single skin foundation is used in the construction of an exempt conservatory base. A simplified approach is possible where the foundation depth is not less than 700mm (to avoid frost heave). With profiled lengths, preformed angles and bonding strips to link lapping sections, exempt conservatory installation can benefit an economical and swift build detail.



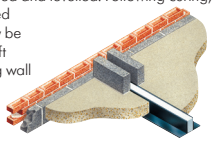
Combination Edge Insulator Type CEI

Cranked DPC profile provides horizontal DPC presence to cavity wall inner skin and projects inwardly to integrate with floor membrane, permitting easy horizontal lapping and sealing between both mediums. Accompanying edge barrier locates against connecting upstands to provide thermal break.



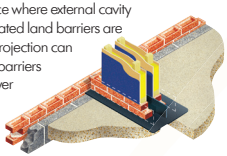
Ground Bearing Party Wall Insulating Section Type GBPWIS

Secured (on the party wall line) between attached properties the preformed DPC profile with a central channel containing insulation acts as integral edge formwork when the concrete slabs are poured and levelled. Following curing, the sandwiched insulation may be removed or left insitu, pending wall detail sought.



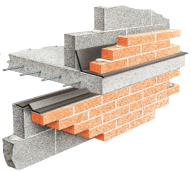
Party Wall Rising Barrier Type PWRB

An alternative to the NHBC detail showing a shallow channel cast in a shared floor slab between adjoining properties to guard against internal cross-flooding. The PWRB in projecting upwardly rather than descending as a channel, is able to provide greater resistance to water volumes. It can also more readily interface where external cavity wall contaminated land barriers are present. The projection can link over such barriers whereas a lower level channel commonly cannot.



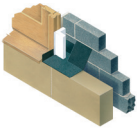
Integral Formwork Water Check Profile Type R

When bedded to cap the top of an open cavity wall prior to concrete pouring, the Type R acts as enveloped formwork and a shaped indentation to the underside of the formed slab is created. This acts as throating to guard against water cross-tracking via the slab underside/ masonry.



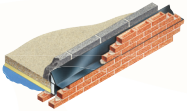
AUXILIARY PRODUCTS AND SPECIALISED APPLICATIONS

Type SC-Link - Stopend and DPC Link



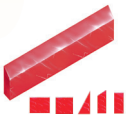
Self-contained unit introduces a stopend to an open-ended outward stepping cavity DPC where it abuts an exterior door within a cavity wall located at an elevated level with building footprint extending under it. Arrests gravitating water from vertical closer fins so it cannot continue to lower level of building. (closer terminates within it) May be used to regularise defective terminations against reveal.

Cavity Insulated DPC



This insulated cavity wall barrier operates independently of any wall DPC (the position of which is dictated by ground levels). The barrier is built into the outer skin only and terminates within the cavity against the inner leaf. Water is evacuated via Caviweeps, thus reducing ongoing gravitating water within the external masonry skin.
Conceived for where clear cavities are appropriate as part of below-ground waterproofing measures. Should any blown insulation be retrofitted, it can be restricted to above the barrier, preserving lower cavities as unfilled. The integral barrier insulation projects downwardly, aiding thermal continuance around wall/floor level.

Acoustic Stops and Thermal Barriers



Acoustic Stops and Thermal Barriers are available on a bespoke basis in a wide range of sleeved sizes for introduction into cavities, thresholds, lintel arrangements etc.
Encapsulations will not support vermin and are chemically inert. Select sleeve size that is 15- 20mm wider than cavity size to facilitate correct friction fit.

Cavicoat

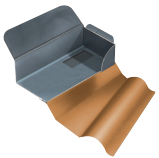


- Cavicoat Patination Oil
- Easy wipe application
- Improves initial appearance
- Helps prevent carbonate staining

Cavicoat Patination Oil is supplied in handy 500ml containers capable of covering up to 30 sq metres of new lead. When applied with a soft absorbent cloth in accordance with the application instructions the appearance of new lead can be improved and protected against white calcium carbonate staining. Recommended surface treatment. Important: always follow accompanying instructions and precautions.

Flashings - Alternative Options

Lead flashing remains the most popular choice to have bonded to our preformed trays. Alternative options are available for projects where compatibility issues or visual characteristics are of concern.
Where an inert flashing medium can help maintain neutral balance in the presence of limestone, magnesium limestone, sandstone and some granites, building design should always consider the flow of water from limestone to other masonry materials and flashing mediums. Where continuity of metal type to match the roof finish ensures most appropriate compatibility and visual continuity (example copper roof with copper flashings).
The synthetic flashing addition to our range is a composite material consisting of aluminium mesh enveloped within silian-modified polymer rubber. It is non-permeable and offers similar malleability to lead flashing. It will hold to shape and once dressed can be additionally secured in place with adhesive if required. Resilient to temperatures between -20° and + 70°. UV and ozone resistant.



CLOSERS

Thermal Acoustic & Fire-Rated Closers

Vertical & Horizontal Applications

The specifier may select from a wide range of options.

Some closers address the same construction detail, but with a different emphasis. The choice may be refined pending the desired thermal, fire integrity or acoustic level sought. Choice also extends with the provision for expansion and contraction between timber and masonry skins.

Correctly installed caviclosers are designed to prevent ingress of water from an outer skin to an inner skin where vertically integrated, as required for compliance under Building Regulation Part C.

The window or door frame must be set back a minimum of 30mm into the cavity to achieve this and a compatible sealant used to seal around the masonry/frame junction.

The closer face of our Caviclosers have integral fins. These provide an anti-capillary relationship plus conduit drainage, acknowledging Building Regulations Part C, (5.32) that states fins are required to provide protection in designated exposure zones.

Insulated Caviclosers are designed to minimize cold penetration and heat loss that occurs around unprotected cavities and reveals, as identified within Building Regulations Part L.

Fire-rated Caviclosers are designed to provide a given duration of fire protection as identified within Building Regulation Part B.

Recognizing the objectives for clarity within the Hackitt Report, our fire rated closers continue to be identified with a Cavi prefix in red followed by a number in red denoting the fire integrity rating in minutes;

- **Cavi 60 (1 hour)**
- **Cavi 240 (4 hours)**

The leading edges of pages within this publication relating to fire-rated product pages are additionally printed in red.

The review of SAP 10 and the raising of the default y-value penalizes developers who do not consider heat-loss through building junctions. Users should consider to what extent every closing detail within the cavity wall integrates and eliminates discontinuity of the insulation elements. (Part L: No easily avoidable gaps such as those around window openings).

Insulation density extracted from manufacturers issued data. Insulation colour may vary. Tie shape (where supplied) varies pending product model. Profile tolerance ± 5%. Reported fire rating accuracy ± one minute. Company green objective uses recycled material. Recycled material may result in slight shade variations. Standards subject to variation and uplift without notice.

When describing uses of product, applications may be generalized and users should ensure their intended usage is within intended parameters.

Cavity closers and stops are designed to enhance the thermal and environmental performance of the structure.

This section lists efficient ways in which cavity walls may be closed, Building Regulations, thermal, fire and acoustic requirements, plus the arrestment and isolation of permeating damp, are addressed using our construction solutions.

The specifier may select from a wide range of options. Some closers address the same construction detail, but with a different emphasis. The choice may be refined pending the desired thermal, fire integrity or acoustic level sought. Choice also extends with the provision for expansion and contraction between timber and masonry skins.

If you cannot see what you want or have a bespoke requirement, please contact us.

To contact us, use the email address or any of the other options listed. We look forward to being of service to you and supplying cost effective best practice solutions to protect your projects.

Hygrothermal Behaviour

Products for use in Accredited Construction Details (version 1.0) and Robust Details for jambs and sills that require a path of minimum thermal resistance through the closer.

Weather Resistance

Products act as an effective damp-proof barrier and resist the passage of water towards the inner skin when used in a suitable cavity wall construction.

Structural Stability

Passive functionality in terms of wind-loading resistance permits use of products within all areas of the UK.

Durability

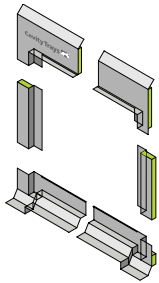
Correctly incorporated within cavity wall construction, products are designed to last the normal expected life of a building.

Performance

In accordance with Building Regulations requiring a minimum thermal resistance path.

Product	Cavity Widths	Insulation	Weather rating	Fire Integrity	Page	Vertical	Acoustic
Bespoke	50 - 200	Polystyrene	To requirement	n/a	42	✔	
Continuity Closer	100	Polystyrene	Severe Very Severe	n/a	42	✔	
Type D	All	Polystyrene	Severe Very Severe	n/a	43	✔	
Type DIP	All	Polystyrene	Severe Very Severe	n/a	43	✔	
Type FWC	50 - 100	Polystyrene	Severe Very Severe	n/a	44	✔	
Type RFC	50 - 150		Severe n/a	n/a	45		✔
Type WCA	100 - 150	Polystyrene	Severe Very Severe	n/a	45	✔	
Type WCA Maxi	150 - 330	Polystyrene	Severe Very Severe	n/a	46	✔	
Type V	50 - 100	Polystyrene	Severe Very Severe	n/a	46	✔	
Type V170	100-170	Polystyrene	Severe Very Severe	n/a	47	✔	
Sash Frame Insulated DPC	All	Polystyrene	To requirement	n/a	47		
Cavi 60 Type WCA	100 - 150	Rock Wool	Severe Very Severe	60	48	✔	✔
Cavi 60 Type V	100 - 170	Rock Wool	Severe Very Severe	60	48	✔	✔
Cavi 60 SAF Horizontal	100 - 140	Rock Wool	Very Severe	60	49		✔
Cavi 60 SAF Vertical/ PWIB	50 - 140	Rock Wool	Very Severe	60	49	✔	✔
Cavi 240 CFIS	50 - 90	Rock Wool	Very Severe	240	50		✔
Cavi 60 MWR 200	100 - 200	Rock Wool	Very Severe	60	50		✔

The standard products listed within this section are available to suit a range of construction dimensions and standards. Reference should be made to the data panel under each product illustration from which the relevant requirements should be selected.
Please contact our help desk for all such enquiries and we will forward relevant information.



BESPOKE TRADITIONAL CLOSING SERVICE

On site and off site preformed solutions

- Traditional and timber frame applications
- Optional integral insulation barrier
- Interlinking continuous protection
- Preformed for uniformity and consistency
- Establishes build quality and build cost controls

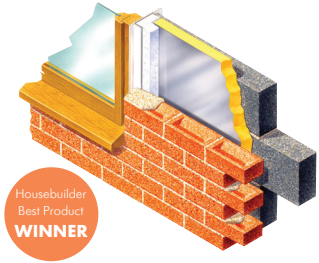
Requirements

Optimising damp protection and thermal benefits when closing openings in cavity walls requiring a bespoke approach.

Solution

Where construction or reconstruction of a property is required to replicate a traditional style, the opportunity exists to eliminate shortcomings or areas in which the damp proofing and thermal qualities are not ideal. It is usually possible to introduce measures that do not affect the aesthetics of the structure but do raise the performance and improve the behaviour of the wall.

Openings in new and existing buildings can be assessed and preformed closing DPCs moulded to aid consistent and accurate construction. At the same time thermal benefits can be introduced where possible.



CONTINUITY CLOSER

Reveal closer that interfaces with cavity insulation

- Blocks heat loss path
- Eliminates thermal spiking
- Acts as vertical DPC
- First and second fix applications

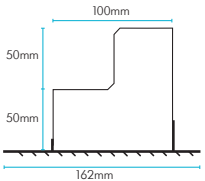
Requirements

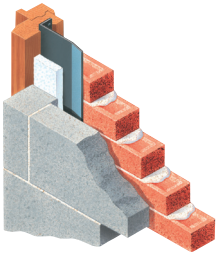
To close a reveal in a cavity wall within which there is partial fill insulation. To provide thermal zoning. To act as a vertical dpc.

Solution

The faceplate of the Continuity Closer spans both masonry skins and provides a rigid finish for reveal finishing of plasterboard on dabs or similar. The insulating core is stepped to close the reveal and interface with the adjacent partial fill cavity insulation. In so doing the Continuity Closer masks the thermal spiking path that should not exist but commonly does in both first fix and second fix closer applications.

Always state the cavity width and thickness of cavity insulation, so the Continuity Closer is supplied with the appropriately sized insulation core.





TYPE D

Damp-Proof Course

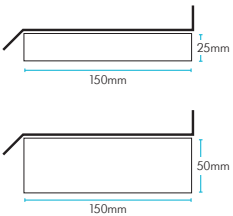
- Vertical damp-proof course
- Vertical insulator
- Robust and self-supporting - cannot sag
- Eliminates danger of mortar bridging
- Conventional build or attach to frame

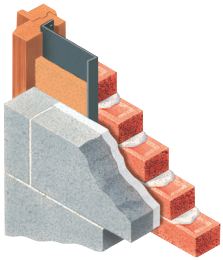
Requirements

To provide a vertical dpc and thermal break when closing a reveal in the traditional manner by returning the inner masonry skin.

Solution

If the masonry forming the cavity wall reveal is to be returned in the traditional manner, the preformed Type D Damp-Proof Course can be deployed to provide the requisite DPC protection and thermal break now sought to satisfy regulation requirements. Being ready-shaped and available in almost any profile, the Type D introduces consistency of the intended construction detail.





TYPE DIP

Type D Interfacing Profile

- Vertical damp-proof course
- Thermal break
- Interfaces with cavity insulation
- Eliminates thermal spiking
- Rigid profile ensures consistency of build

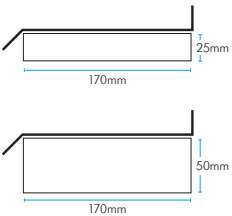
Requirements

To provide vertical dpc and thermal break plus integration with partial fill cavity insulation when closing a reveal in the traditional manner.

Solution

The Type DIP (Type D Interfacing Profile) is used where the mason is returning block work at the reveal in the traditional manner, and partial fill insulation is present within the cavity. The Type DIP is manufactured of solid DPC to which is bonded insulation.

The DPC profile extends sufficiently into the cavity to permit this insulation to overlay the cavity slab insulation and maximise the thermal arrangement whenever inner and outer skins meet.





TYPE FWC

Five Width Cavicloser

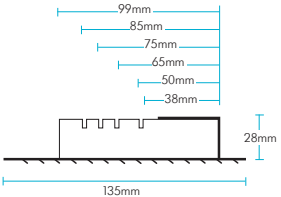
- Acts as a DPC
- Insulates the reveal
- One model provides five size options
- Straight reveal applications

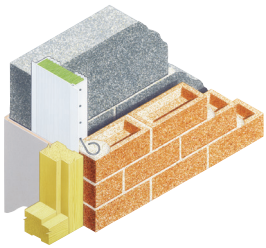
Requirements

To close a reveal using closer with grooved insulation to suit a variety of cavity widths. Insulates and acts as a dpc.

Solution

The Type FWC offers the installer flexibility, as grooves in the insulating core denote where the core can be trimmed back to create a cavity closer to suit five different cavity widths. Thus this one model addresses the widths of cavity currently popular.





TYPE WCA

Closer for wide cavity installations

- Closes cavities up to 150mm wide
- Functions as vertical DPC
- Insulates reveal
- Permits choice of frame positions
- Micro fins

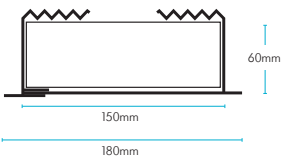
Requirements

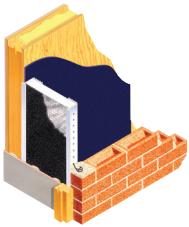
To close reveal and provide dpc and thermal qualities plus movement provision.

Solution

WCA stands for wide cavity applications. The large insulating core promotes excellent thermal qualities. The WCA is available to suit cavities up to 150mm wide and is secured in position using accompanying ties.

The side of the closer nearest the inner leaf has a friction fit relationship with the rest of the closer body. Thus in timber frame construction the closer can be screwed or nailed to the inner leaf, and the arrangement can benefit expansion and contraction provision.





TYPE WCA MAXI RANGE

Vertical Closer for wide cavity installations

- Suits cavities from 150mm to 330mm
- Acts as DPC
- Acts as Insulator
- Differential movement provision

Requirements

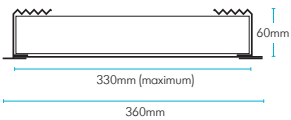
To close reveal with wider cavity width. To provide dpc and thermal qualities plus movement provision.

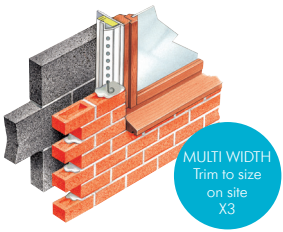
Solution

Wide cavity widths up to 330mm are addressed using caviclosers from the Type WCA Maxi range.

All models have enlarged multi-layered insulating cores promoting robustness and thermal contact resistance. The foam core is over layered with a reflective foil on a bubble barrier, with a finishing face of heavy duty low conductivity Petheleyne.

Suitable for use in both straight and checked reveals, the closer sides are independent of each other being friction linked via the insulating core.





TYPE V

Contract Closer

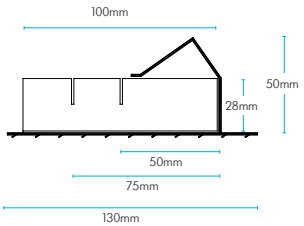
- Closes cavity and acts as a DPC
- Insulates the reveal
- Range of cavity widths offered
- Eliminates need to cut and return masonry
- Suits cavities up to 100mm
- Anti capillary fins

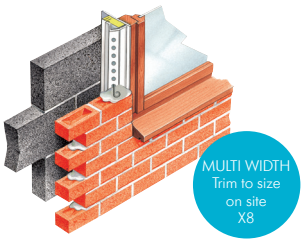
Requirements

General application closer providing thermal, dpc and closing requirements featuring grooved insulating core offering dimension choices.

Solution

The Type V Closer provides an economical way of closing the cavity wall reveal. It is a one-part model consisting of a ribbed face that spans the cavity and overlays the inner and outer skins of masonry. Secured behind this face is a closed cell insulating core, that projects into the cavity. Slots accommodate ties to secure the closer. Integral anti-capillary mouldings. Frames can be fitted in any compliant position within the reveal depth.





TYPE V170 CAVICLOSER

Eight Width Range Contract Closer

- Closes cavity and acts as a DPC
- Cavity range 100mm to 170mm
- Acts as a vertical DPC
- Closes and insulates reveal
- Cost-effective contract closer for wide cavities

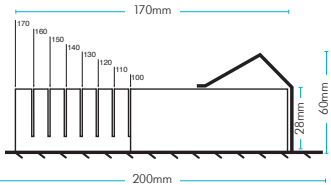
Requirements

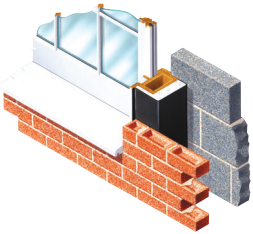
To close cavity wall reveal, act as a vertical DPC and introduce a thermal break to window and door openings

Solution

Based on the Type V design this model is for use in cavities from 100mm to 170mm. The Type V 170 is a one-part closer with a faceplate featuring anti-capillary fins and a frame-interfacing flexible gasket.

The faceplate overlays inner and outer skins between which the insulation core is retained within an integral securing jaw with side moulded apertures that receive the securing ties from both skins.





SASH FRAME INSULATED DPC

Insulated damp course profiles

- Provides vertical DPC separation
- Reduces heat loss potential
- New and existing structures applications
- Bespoke service

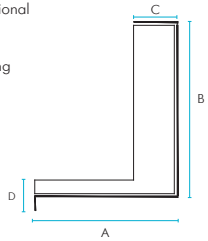
Requirements

Establishes DPC separation between masonry and frame. Introduces thermal break to aid reduction in heat loss from the structure.

Solution

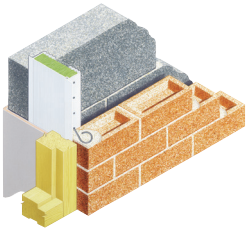
Sash Frame Insulated DPC's provide two functions. They introduce DPC integrity along the line of the masonry check and cavity, guarding against wet transference into the sash box. They also reduce the potential heat loss opportunities, utilising an insulating layer (of a thickness dictated by the available space) bonded to the DPC surface(s).

Sash Frame Insulated DPC's are available to order for traditional counterweight frames and balanced spring frames.



FIRE-RATED CAVITY CLOSERS

Horizontal and Vertical Cavity Barriers



CAVI 60 TYPE WCA CAVICLOSER

Type WCA Cavicloser

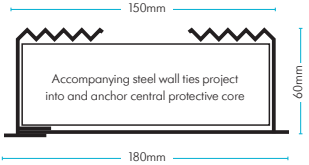
- 60 minutes fire integrity rated closer
- Acts as a DPC
- Accompanying stainless steel anchoring ties
- For cavity widths up to 150mm
- Micro fins

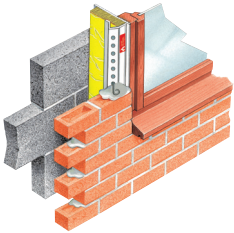
Requirements

To close a reveal where a one hour fire rating is required in addition to the closing, thermal and dpc qualities.

Solution

With a one hour fire rating and a maximum cavity width accommodated of 150mm, the Cavi 60 Type WCA provides a robust method of closing and protecting wider reveals. The large sound-absorbing insulation core is secured behind the heavy duty ribbed face which permits an unrestricted choice of frame positions within thermally efficient parameters.
Tested in masonry to masonry construction.





CAVI 60 TYPE V170 CAVICLOSER

Fire Resistant Barrier / Closer

- One hour fire rating
- Cavity range 100mm to 170mm
- Acts as a DPC
- Closes and insulates reveal
- Acoustic reduction insulator

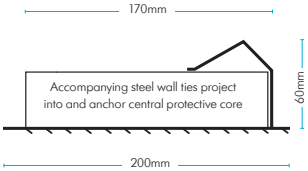
Requirements

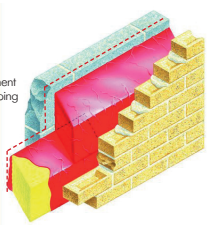
To close a reveal with a wider cavity where a one hour fire rating is required in addition to the closing, thermal and dpc qualities.

Solution

Cavities up to 170mm maximum can be economically closed with the Cavi 60 V 170 which has an acoustic reducing insulator facing into the cavity and an accompanying fire integrity rating of one hour.

Tested in masonry to masonry construction.





Staggered placement option permits sloping tops and bottoms to interface and eliminate end joining

CAVI 60 TYPE SAF HORIZONTAL BARRIER

Fire Resistant Barrier / Closer

- Acoustic barrier
- Fire barrier
- Protective shape prevents water tracking
- Easy linking and lapping
- Optional encapsulation fixing flap

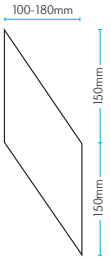
Requirements

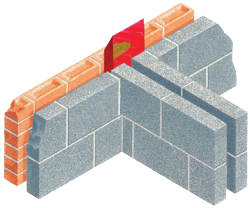
Acoustic and one hour rated fire rated cavity barrier to compartmentalise cavity walls of building of multi occupancy.

Solution

This compressible cavity barrier is multifunctional. It acts as an acoustic barrier, a fire barrier and uses its shape to advantage by deflecting all arrested water forward. Overlapping capability means adjacent lengths can maintain functionality and status.

The compliant oriented shape is simply compressed and friction fitted into cured masonry whilst taking advantage of support from naturally occurring wall ties. Supplied with an upwardly extending flap on one side of the encapsulation. Tested in masonry to masonry construction.





CAVI 60 TYPE SAF VERTICAL CAVITY BARRIER

Fire Resistant Barrier / Closer

- Acoustic Barrier
- Fire Barrier – 1 hours rating
- Sloping shape deflects water forward
- Easy linking and continuity

Requirements

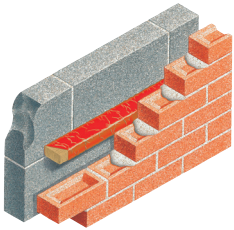
To provide vertical one hour fire rated acoustic cavity barrier at party wall junctions.

Solution

This vertical dual-function barrier is for use where separating walls (party walls) join exterior cavity walls. The barrier introduces a four hour rated fire integrity level and acoustic cushioning as demanded by legislation. The ends of the Cavi 60 Type SAF Vertical Barrier are angled so that each vertical length wedges into and against the vertical length under it, promoting continuity. Water cannot permeate inwardly because all joins are made sloping forward towards the outer leaf (as with the horizontal SAF barrier).

Vertical barriers are enveloped within a polythene sleeve sufficiently robust to act as a DPC, as defined by NHBC / Building Regulations. A rigid DPC bonded to one face is available as an additional option.

Tested in masonry to masonry construction



CAVI 240 TYPE CFIS

Fire Resistant Barrier / Closer

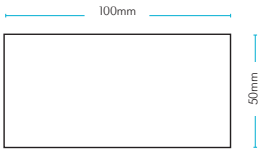
- 240 minutes fire integrity rated barrier
- Friction fit or upstand flap fit
- Accompanying moisture protection measures
- For cavity widths up to 90mm

Requirements

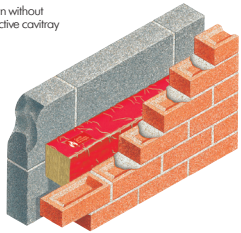
To provide 4 hour fire rated acoustic cavity barrier for use in cavity walls in intermediate and top of wall locations.

Solution

Non-combustible rock mineral insulator promoting acoustic and fire barrier qualities enveloped within a green poly-sleeve. May be compressed to suit cavities of most popular sizes. This product can also be supplied with an upwardly extending flap on one side of the encapsulation. This provides an alternative fixing option of securing to the inner skin should this be required. State clearly which version is required. Preformed trays (Arresting Barriers or Dropcloaks) available to provide deflective qualities within cavity.
Tested in masonry to masonry construction



Shown without protective cavitray



CAVI 60 TYPE MWR 200

Fire Resistant Barrier / Closer

- One hour fire rated barrier
- Acoustic barrier
- Friction fit or upstand flap fit
- 100mm to 200mm cavity range

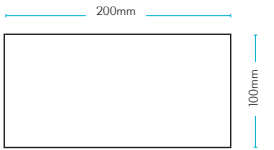
Requirements

To provide 1 hour fire rated acoustic cavity barrier for use in wider cavity walls in intermediate and top of wall locations.

Solution

This is a larger version of the Type CFIS and accommodates cavities from 100mm up to 200mm. The Cavi 60 prefix denotes one hours fire rating. The insulating core promotes acoustic suppression. Thus this model can be used to address both fire and sound barrier requirements.

This product can also be supplied with an upwardly extending flap on one side of the encapsulation. This provides an alternative fixing option of securing to the inner skin.
Tested in masonry to masonry construction



NONCOM

Non-combustible range

New regualtions demand materials and products used in the external walls of relevant buildings exceeding a specified height are non-combustible.

Non-combustible cavity trays, weeps and vents are prefixed **Noncom** for easy identification.

Important
Please see NonCom Cavity Tray 16 page brochure containing technical specifications and data of the new tested and certificated range of NonCom trays.

INTRODUCTION

The Building (Amendment) Regulations 2018 came into force on 21st December 2018.

The new regulations require materials or products used in the external walls of buildings exceeding a specified height to be non-combustible when assessed under the European fire classification system.

Transitional provisions exempt construction where:

A. Initial notice had already been given or plans deposited with a Local Authority

B. Work was already underway on site

C. Work was started before 21st February 2019

The Government announced the amended regulations would apply to 'relevant buildings.'

Relevant buildings are those to be used for certain purposes and exceeding a specified height.

There are also accompanying qualifications and requirements.

The critical building height dimension currently differs in parts of the United Kingdom (18 metres and 11 metres) It is understood the dimension already applicable in Scotland of 11 metres is likely to be generally adopted, in a move to harmonising standards. Noncom solutions are currently being manufactured in four materials. Pending suitability and testing clearances, it is proposed to increase the choice of material options available. To ensure compliancy and best practice regarding all aspects of non-combustibility of exterior cavity walls, we recommend always checking with your Local Authority and the Government website.

NEW REGULATIONS

Materials or products used in the external walls plus any specified attachments must now be non-combustible when assessed under the European fire classification system. The regulation applies to 'relevant buildings', principally those containing one or more dwellings, a room for residential purposes, or an institution.

What constitutes an external wall of a relevant building?

Any reference to an external wall includes anything located within any part or any space within the wall.

Any decoration or finish applied to the external surface.

Windows and doors in the wall.

Any part of a pitched roof (at an angle of 70 degrees to the horizontal) where the roof adjoins a space which persons can enter (but excluding spaces providing access for repairs etc only).

What constitutes an attachment?

A balcony attached to an external wall.

A solar panel attached to an external wall.

Any device for reducing heat gain (by deflection or shading) within a building which is attached to an external wall.

Can elements not form part of an external wall?

Despite the above qualifications of what constitutes an 'external wall' of a 'relevant building', there are some elements of an 'external wall' or 'specified attachment' that are excluded from the ban:

An example is a cavity tray when used between two leaves of masonry. Conditional that both skins of the cavity wall are of masonry in the form of either brickwork, blockwork or concrete, cavity trays may be used in their usual form. Where both skins of a relevant building' fall outside of this qualification, non-combustible trays must be used.



NONCOM CAVITRAY

Non-combustible cavity wall DPC

- Numerous profiles
- Self-supporting or inner skin integration
- A1 compliant materials options
- Robust and ready to use

Use

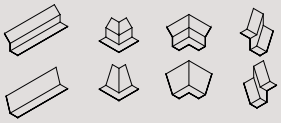
Cavitray performance / functionality. To provide horizontal and sloping DPC requirements at intersections, openings and bridging situations in cavity walls in a non-combustible format. To provide associated cavity wall weep and ventilation requirements in a non-combustible format to service DPC's.

To provide all non-combustible requirements in a range of approved materials to permit optimisation in terms of material functionality, compatibility and galvanic alignment, to promote a long service life and contribute towards the objective safety of the building and its occupants.

Solution

How non-combustible trays differ.
Non-combustible trays are prefixed Noncom for easy identification, and manufactured from approved Class A1 and Class A2 non-combustible metals instead of conventional DPC material. A1 and A2 classifications are the highest material specifications available and comply with the requirements of The Building (Amendment) Regulations 2018. (materials which become part of an external wall are of European Classification "A2-s1, d0" or "A1". (BS EN 13501-1:2007+A1:2009 - Fire classification of construction products and building elements.)
Noncom products have the advantage of being robust and holding to shape. They are difficult to damage and importantly, they will not 'feed' a fire. They can fulfil the criteria demanded by the new regulations. Tray products can also self-support, meaning they can terminate in the cavity adjacent to the inner leaf, rather than having to enter into it or fix to it. Heat loss through thermal conductivity can thus be avoided.

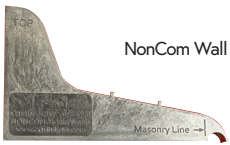
Examples of typical tray types



Horizontal intersection lengths with overlap provision
Angles internal
Angles external
Steps, upwardly / downwardly
Dropcloaks
Parapet trays
Lintel accompaniment trays
Sloping abutment trays

Requirements

Whilst there are a number of tray profiles and angles that arise regularly, projects generally require a bespoke approach so are reviewed individually. Illustrated are typical examples of popular profiles. Please determine an appropriate profile and advise your Noncom requirements – listing lengths and angles. We will be pleased to respond with options for your consideration and selection.



NonCom Wall Weep

Alternatively, upon receipt of information/ drawings, we will be pleased to respond to enquiries advising availability and costs of supplying harmonizing profiled trays and fittings.

Schemes Assessed Individually.


Curved Cavitrays
Types P+J Parapet
Type C Over Openings
Type U Undersill

VENTILATION

Ventilation of the Building Envelope

Ventilation products are divided into three sections, with each section dealing with a specific area of construction.

- Fascia Ventilators
- Eaves Ventilators
- Soffit Ventilators
- Ventilators where Walls & Roofs meet
- Ventilation through the Roof
- Ventilation through the Wall

Important

Every building must be designed and constructed in such a way that ventilation is provided so that the air quality inside the building is not a threat to the building or the health of the occupants 3.14 BR(S) – mandatory.

The designer has a choice of ways of providing ventilation for each area, and may select from each category the most appropriate in terms of performance and visual presence. Some products appear in more than one category.

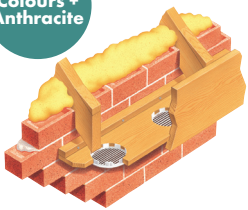
Ventilators provide airflow in and out of the building envelope and permit specified rooms, areas and voids to breathe. They are also necessary to evacuate contaminated land gases out of a structure where gas arrestment barriers are present. Options for providing ventilation where a flat roof extension is added to an existing building include provision at the attachment point and corresponding ventilation opposite.

The NHBC advises properties less than two years did not cope with the migration of water vapour from roof space to outside during frost and snow conditions, where moisture evacuation from the roof space relied on permeable membranes only. The NHBC refers to BS 5250 and its guidance regarding using ventilators to provide adequate airflow levels.

Our options to service roof void ventilation have been increased to address those situations where vapour permeable roofing underlays cannot provide the requisite levels of functionality. Additionally in some roof configurations and roof finishes (such as tight-fitting cement slates) dissipation of moisture is hindered and high and low passive ventilation provision is considered essential.

Different approaches to problem solving are possible using products from our range.

NEW Colours + Anthracite



TYPE CSV

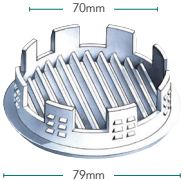
Circular Soffit Ventilator

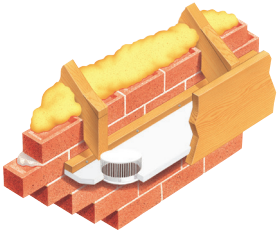
- Superior airflow 2,100m²
- New and existing work applications
- Rotate for visual or non-visual appearance
- Insect screening
- Easy regulation compliance

Solution

The upgraded CSV Circular Soffit Ventilator may be introduced into new soffits or existing soffits. It permits easy and quick upgrading of existing structures.

The unique injection moulded ventilator has a deflecting louvred face, promoting positive air entry and insect screening. Unlike standard ventilators, the unique CSV may no visible apertures/grilles are apparent to the eye and the result is of a continuous unpenetrated soffit, when a CSV of a matching colour is fitted. Fit at approximately 200mm centres to achieve ventilation equivalent to 10mm continuous opening.





TYPE CRSV

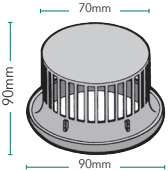
Circular Recessed Soffit Ventilator

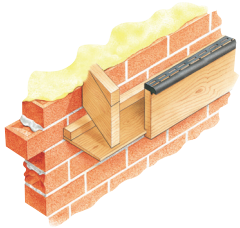
- High airflow
- Reduces number of soffit apertures
- Insect screening
- New and existing work applications

Solution

The CRSV differs from the standard CSV as it has a deep body that protrudes up into the soffit box. The airflow apertures are positioned around the sides of the deep body ventilator rather than through the top. This arrangement results in a far greater airflow rating per ventilator. Thus a lesser number are required to fulfil the statutory airflow levels. Fit at approximately 330mm centres to achieve ventilation equivalent to 10mm continuous opening.

When upgrading and requiring an increased airflow into a roof space, consider inserting Type CRSV into existing 70mm soffit holes. Minimal disturbance, maximized airflow.





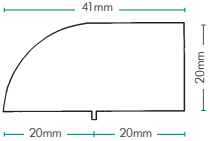
TYPE OFV-10

Over Fascia Ventilator

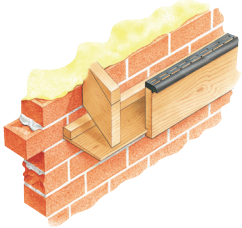
- Hidden ventilation at top of fascia
- All roof pitches accommodated
- Integral insect screening
- Reduces fascia size and cost
- Provides statutory airflow

Solution

The Type OFV- 10 Over Fascia Ventilator is suitable for use on new and refurbishment work. This ventilator can be used in no-soffit situations as well as where the soffit is in place as the ventilator locates and fixes to the top of the fascia. Integral insect screening and fixing holes. Airflow rating 12,500mm² per metre run.



Over Fascia Ventilator OFV10, for roofs requiring the equivalent of a 10mm continuous gap. Suitable for roof pitches of 15 degrees upwards.



TYPE OFV-25

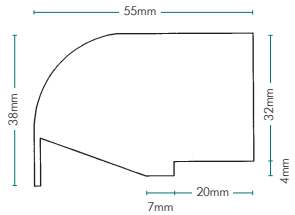
Over Fascia Ventilator

- Hidden ventilation at top of fascia
- All roof pitches accommodated
- Integral insect screening
- Reduces fascia size and cost
- Provides statutory airflow

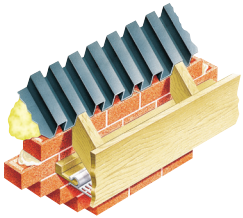
Solution

The Type OFV -25 is shaped to permit easy fixing to the top of the fascia board. It has an airflow rating of 25,000mm² per metre, making it suitable for use with roof pitches of 15 degrees and below.

Over Fascia Ventilators are suitable for new and refurbishment work. They eliminate the need for visible soffit ventilation and can be installed in non-soffit locations. Integral insect screening.



Over Fascia Ventilator OFV25, for roofs requiring the equivalent of a 10mm continuous gap. Suitable for roof pitches of 15 degrees upwards.



TYPE EROV 400

Eaves Roll-out Ventilator

- New and existing work applications
- Maximum free airflow 30,000mm² per metre
- Suitable for all popular truss centres
- Easy regulation compliance

Solution

The Eaves Roll-Out Ventilator is manufactured in PVCU. The cross corrugations permit this product to be supplied in long rolls which are then uncoiled on site across the trusses in the appropriate position. Nails are then used to secure the roll in position.

The result is an evenly spaced air route along the eaves, providing ventilation in accordance with the Building Regulation requirements. May be used on trusses at 400, 450 and 600mm centres.



The ventilator is unrolled evenly across the trusses to create a regular ventilation pattern in the appropriate position, to provide up to 6 metres run.



TYPE OEVWF

Open Eaves Ventilator with flyscreen

- For open-eaves and non-fascia applications
- Integral fly screening
- All roof pitches accommodated
- Easy regulation compliance
- 10,000mm² rating and 25,000mm² rating

Solution

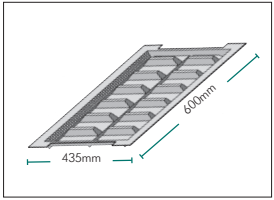
Preformed lightweight ventilator with punched flyscreen.

May be used in new build and re-roofing projects with an open eaves detail (no infilling soffit board).

Available with a 10mm airflow rated punched edge - OEVWF 10

Available with a 25mm airflow rated punched edge - OEVWF 25

Please note the 25mm rated ventilator has a different appearance than the other rated models. Versions available to suit 400, 450 and 600mm truss centres.





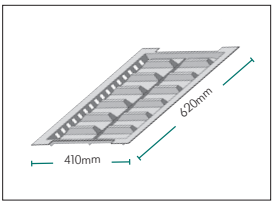
TYPE PV

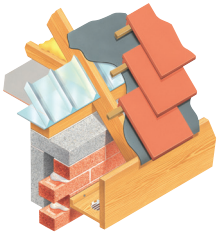
Panel Ventilator

- Suitable for roof pitches of 15 degrees upwards (10,000mm²)
- Compatible with fascia and soffit ventilators
- Easy-fit
- Excellent free airflow

Solution

In pitched roof applications, the Type PV Panel Ventilator fits between the roof trusses and maintains a defined airflow path between the underside of roofing felt and the roof insulation. The function of the Type PV is to receive air that enters and exists via a fascia or soffit ventilator. Air is channelled through the body of the ventilator via apertures within the bottom and top upstand edges. Versions available to suit 400, 450 and 600mm truss centres.





TYPE REV

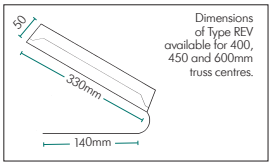
Refurbishment Eaves Ventilator

- Black - checking of correct placement is easy
- Large protected air pocket
- High airflow 10,000mm² per metre run
- Compliance of ventilation regulations

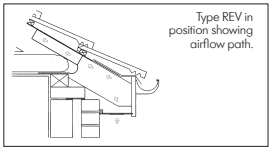
Solution

The Refurbishment Eaves Ventilator fits between rafters and can be placed in position from within the attic space. The ventilator bottom portion rests under the insulation.

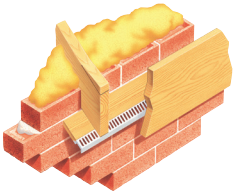
The ventilator top hinged portion hinges to follow the roof line. Its simple shape allows air to travel to and from the roof void. Insulation is not permitted to close the gap between the truss rafters.



Dimensions of Type REV available for 400, 450 and 600mm truss centres.



Type REV in position showing airflow path.



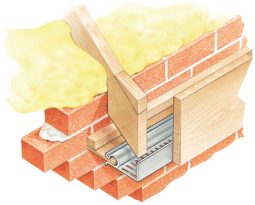
TYPE RASV

Reversible Angled Soffit Ventilator

- Reversible profile for sloping soffits
- Integral insect screening
- Self coloured - corrosion proof
- Easy regulation compliance

Solution

The Type RASV Strip Soffit Ventilator is designed for use with a standard horizontal or sloping soffit boards on roof pitches of 15 degrees or above. The airflow rating is 10,000mm² per metre run. The ventilation slots provide screening in accordance with regulations.



TYPE SSV

Strip Soffit Ventilator

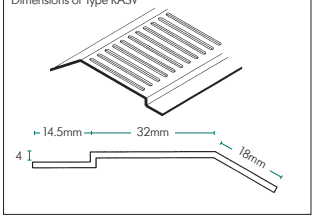
- Regulation airflow compliance
- Integral fly screening
- Accepts different soffit thicknesses
- Self coloured - corrosion proof

Solution

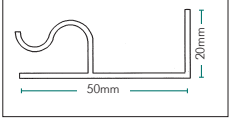
The Type SSV Strip Soffit Ventilator is designed for use with a standard soffit board. It permits airflow via the soffit area whilst also providing support for soffit boards from 4mm to 14mm thickness. The airflow rating is 10,800mm² per metre run, making it suitable for use where the roof pitch is 15 degrees or above.

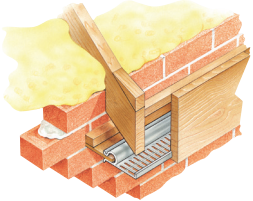
The ventilation slots provide screening in accordance with regulations. (See Type SSV-15 for higher airflow rating.)

Dimensions of Type RASV



Dimensions of the standard Type SSV, which is for use on roofs of 15 degrees upwards.





TYPE SSV-RU

Strip Soffit Ventilator with reduced upstand

- Regulation airflow compliance
- Integral fly screening
- Accepts different soffit thicknesses
- Self coloured - corrosion proof

Solution

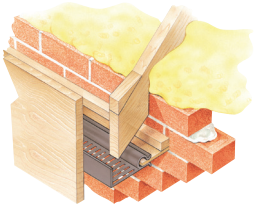
The Type SSV-RU Strip Soffit Ventilator is designed for use with a standard soffit board. The RU designation refers to a reduced upstand of 5mm.

This permits the Type SSV-RU to be fitted into the back location groove of a fascia.

All other details and dimensions are as per the standard Type SSV. The airflow rating is 10,800mm² per metre run, making it suitable for use where the roof pitch is 15 degrees or above. The ventilation slots provide screening in accordance with regulations.

The SSVRU has a reduced upstand of 5mm. It may be fitted into the groove of a fascia.





TYPE SSV-15

SSV15 (for pitches below 15°)

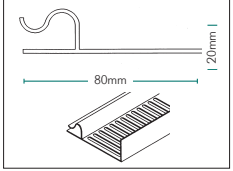
- Regulation airflow compliance for pitches below 15 degrees
- Integral fly screening
- Accommodates different soffit thicknesses
- Self coloured - corrosion proof

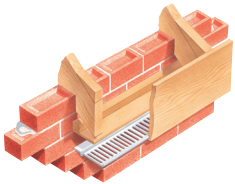
Solution

The Type SSV-15 Strip Soffit Ventilator is designed for use with a standard soffit board on roof pitches below 15 degrees. The airflow rating is 25,000mm² per metre run, making it suitable for use where the roof pitch is 15 degrees or below.

The ventilation slots provide screening in accordance with regulations.

Dimensions of the Type SSV15, which is for use on roofs below 15 degrees pitch and other pitches if the roof space is classified as accommodation. See technical observations.





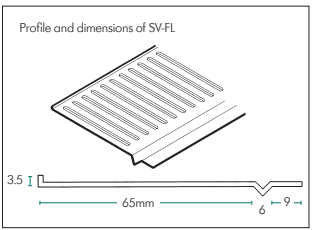
TYPE SV-FL

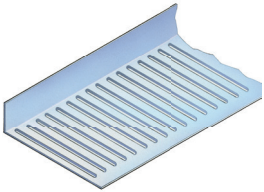
Flat Strip Soffit Ventilator

- Flat and sloping roof applications
- 25,000mm² airflow rating
- Self coloured – corrosion proof
- Insect screening

Solution

The Type SV-FL is a strip soffit ventilator designed for use with flat and sloping soffit and has an airflow rating of 25,000mm² per metre run. Thus it may be used where the roof pitch is below 15 degrees. The ventilation slots provide screening in accordance with regulations.





TYPE SSV-GP

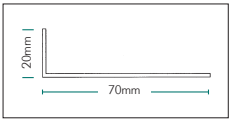
Soffit Ventilator - general purpose

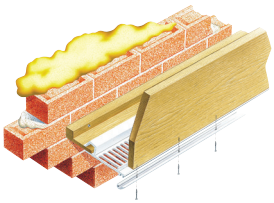
- For sloping and flat roof ventilation
- 25,000mm² airflow rating
- Self coloured - corrosion proof
- Insect screening

Solution

The Type SSV-GP is a general purpose soffit ventilator strip, with an airflow rating of 25,000mm² per metre run. In sloping applications it may be used where the roof pitch is below 15 degrees.

The Type SSV-GP may also be used to ventilate flat roofs, necessitating the fascia to be fitted so it stands off the masonry face a distance of just 70mm. The ventilation slots provide screening in accordance with regulations.





TYPE USV

Universal Soffit Ventilator

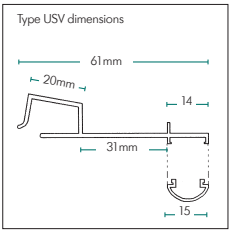
- Easy upgrade of existing structures
- Insect screening
- Hidden fixing with cover moulding
- Self coloured - corrosion proof

Solution

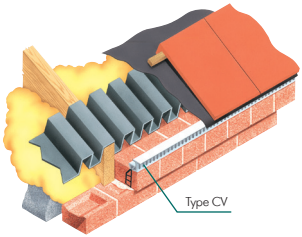
The Type USV incorporates a direct fixing method from underneath, which is hidden by an attachable feature moulding. This permits the ventilation strip to be secured either to a batten attached to the lower inner face of the existing fascia, or alternatively the strip may be secured directly to the fascia bottom edge.

When the moulded attachment is clipped in position, all screw fixings are hidden from view.

12,500mm² rating, for use with 15° + pitch.



Notes:



TYPE CV

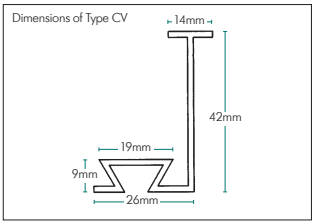
Corbel Ventilator

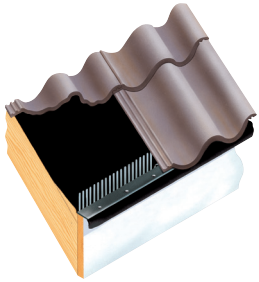
- Suitable for roofs of 15 degrees upwards
- Free airflow 10,000mm² per metre
- Integral insect screen
- Adjustable anchoring ties
- Compatible with our range of eaves ventilators

Solution

The Type CV Corbel Ventilator is designed to be incorporated above a running masonry corbel built of brick, stone or similar.

The ventilator has a slotted vertical front face, providing the equivalent of a 10mm continuous air opening. To the rear of the ventilator, the base has a dovetail anchoring slot which permits the securing ties to be positively attached at any position to suit the corbel masonry joints.





TYPE ECF

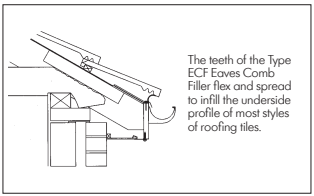
Eaves Comb Filler

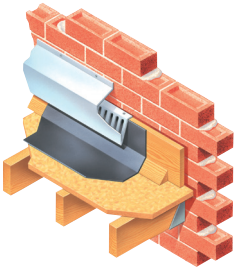
- New and existing work applications
- Flexible teeth suit most tile styles
- Integral fixing holes
- Easy regulation compliance

Solution

The Eaves Comb Filler is manufactured from polypropylene in one metre easy to handle lengths. The supple teeth of the comb flex to accommodate the contours of the tile or sheet.

Such flexibility eliminates the need of purpose-made profiles to suit each style of roof finish. Thus the ECF suits a very wide range of profiles. When fixed to the top of fascia, the ECF teeth slope forward, to splay and take up the gap which would otherwise be open.





TYPE RAV-FL

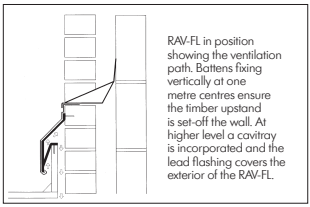
Roof Abutment Ventilator

- Permits roof to breathe at masonry intersection
- Integral insect screening
- High airflow - 25,000mm² per metre run
- Removable when re-roofing
- Compatible with our range of eaves ventilators

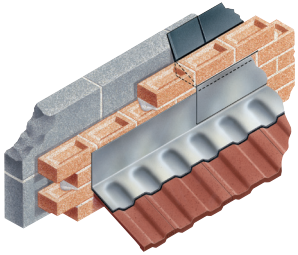
Solution

The RAV-FL promotes air entry where a flat roof abuts a vertical masonry wall. It is supplied with pre-drilled fixing holes and an integral insect-resistant grille. Each unit is 1.2 metres in length and the heavy-duty profile incorporates an integral pivot-hold hinge. This hinge permits easy and direct fixing, as the profile may be secured to the vertical board upstand when opened like a book.

The profile is then closed and fixing completed by securing the top of the profile to the masonry wall. An air ventilation path which complies with the current regulations is established at the flat roof intersection.



RAV-FL in position showing the ventilation path. Battens fixing vertically at one metre centres ensure the timber upstand is set-off the wall. At higher level a cavitray is incorporated and the lead flashing covers the exterior of the RAV-FL.



TYPE VF

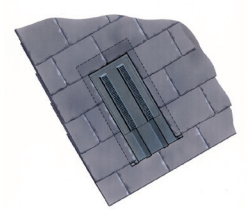
Ventilating Flashing

- Use in place of ordinary lead
- Easy to dress
- Supplied in flat lengths for easy handling

Solution

The Type VF Ventilating Flashing is cold rolled milled British Standard lead to which on one face is bonded a breathing reticulated foam base layer via which air may enter and/or exit. When correctly incorporated at the roof/wall intersection, the flashing can support the requisite airflow. Always make provision for air travelling via the flashing to reach the intended parts of the roof. To guard against wind lift, clip leading edge of flashing to secure as per LSA guidelines.

Type VF Ventilating Flashing is supplied flat and offered on a bespoke basis to customers dimensions.



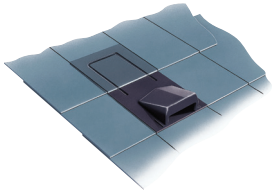
FLUSH SLATE

Flat Vent Profile

- Low profile - high throughput
- Integral insect screening
- Cut to match slate size
- Easy regulation compliance

Solution

The Flush Slate Ventilator offers an almost flat external presence and may be used to directly ventilate the roof space or utilising an optional connection kit may be linked to a 110mm outlet pipe servicing bathroom air extraction. Minimum rafter pitch: 22.5° or 25° depending on head lap. Airflow rating 10,000mm².



CONTRACT SLATE

Raised Vent Profile

- Low profile - high throughput
- Integral insect screening
- Cut to match slate size
- Easy regulation compliance

Solution

The Contract Slate Ventilator can be readily cut to suit both natural and man-made slates. This single model may be used with either 600 x 300mm or 500 x 250mm slates. The Contract Slate Ventilator may also be employed to facilitate natural non-mechanical extraction and ventilation. This is achieved using the Contract Connector Kit CS/HD that permits connection with a 110mm soil vent outlet. The airflow rating when this kit is attached is 8,000mm². Minimum rafter pitch: 22.5° or 25° depending on head lap. Airflow rating without attachment 10,000mm².



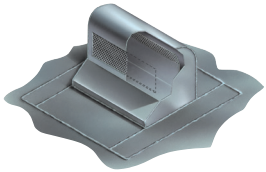
TILED ROOF UNIVERSAL VENTILATOR

General purpose ventilator for numerous tile types

- High airflow
- Integral baffle and grille
- Suitable for new and refurbishment work
- High and low level applications

Solution

Compatible with many styles of interlocking profiled and plain tiles, this universal ventilator may be used on roof pitches from 20 up to 70. It has an airflow rating of 15,000mm². Supplied with a choice of cap colours, integral insect screening, and a base incorporating external edge weathering strips and a lower edge flashing. An optional adaptor permits this ventilator to be connected to a standard 110mm pipe if required.



TYPE ERV EXTERNAL

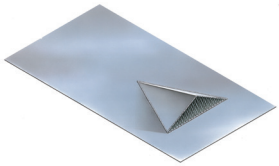
Roof Ventilator (2 sizes)

- High free airflow of 6000mm² / 12,000mm²
- Natural lead finish
- Integral baffle and drain slot
- New and existing work application

Solution

The Type ERV External Roof Ventilator is designed to permit the roof void to breathe and prevent condensation occurring. Intended for use on lead covered, felted or similarly decked roofs, the Type ERV is manufactured from lead to BS EN 12588:2006.

When positioned on a plinth or raised surface to suit the application and location, the Type ERV can provide a means of exhausting moist air out of the structure.



TYPE LSRV LEAD SLATE

Roof Ventilator

- Natural lead finish
- New and existing roof applications

Solution

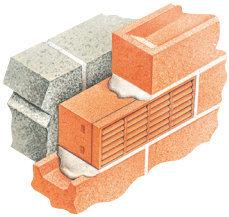
Manufactured from code 4 lead flashing the Type LSRV may be introduced into new and existing slate finishes to provide ventilation of the roof space.

Alternatively it may be connected to function as a cold extraction external outlet servicing a kitchen or bathroom. The LSRV sits comfortably with all slates sizes. Minimal cutting under the LSRV is required to accommodate the spigot connection. Natural lead tempers to slate undulations.

The Type LSRV is supplied in dimensions to match the slate size you are using. State slate size, and preferred airflow per ventilator + spigot size. Airflow rating from 3,000mm² upwards.



Notes:



Colours

- Terracotta
- Slate
- Beige
- Brown
- White
- Black

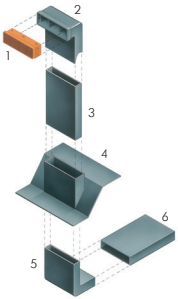
CAVIBRICK

High Performance Air Brick

- High air throughput
- Insect screening
- Self-draining base
- Clip together to make up composite sizes
- Range of colours

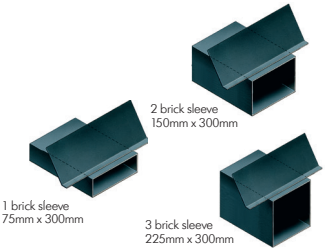
Solution

Manufactured to brick dimensions, the Cavibrick promotes a high air throughput, via a front louvred grille. The louvres are proportioned to maximise performance whilst contouring the air to challenge through-draughts. The louvres are also spaced to comply with the latest BS requirements but have been staggered to offer also an insect resistant screen which is not offered on some standard airbricks. The Cavibrick incorporates a water dam back to prevent rain penetration and crossflow separators. Moulded in a range of colours, the cavibrick may be used singularly, or in multiples. The Cavibrick is fully compatible with our range of telescopic and straight sleeves.



1	Cavibrick
2	Type TAV top section
3	Type TAV Vertical Extension
4	Type TAV Cloak
5	Type TAV bottom section
6	Type TAV Horizontal extension

Notes:



CAVIBRICK SLEEVES

Horizontal Sleeves

- Range of sizes
- Compatible with Cavibrick
- Fold flat storage
- Unobstructed airflow

Solution

A range of straight sleeves to accommodate one, two or three Cavibricks. (High throughput Cavibricks are designed to be used singularly or can be locked together to form larger brick-sized ventilating units.)

When connected to a Cavibrick the combined length is sufficient to accommodate all popular cavity wall widths.

We recommend sleeves are protected with a Cavitray where they pass through the cavity, to comply with NHBC/best practice. State 'Accompanying Duct Cavitray Required' to receive ducts with protective trays.



CAVIBRICK SLEEVE

Rectangular to Round Converter Sleeve

- Compatible with Cavibrick
- Fits standard pipe
- Unobstructed airflow

Solution

Where it is proposed to provide ventilation to a remote room, under floor area or void, a rectangular to round converter sleeve is available to permit the use of standard 100mm nominal plastic soil pipe.

We recommend sleeves are protected with a Cavitray where they pass through the cavity, to comply with NHBC/best practice. (See Sleeve and Duct Cavitrays.)



DOUBLE SIZE RECTANGULAR TO ROUND CONVERTER

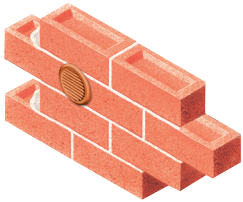
Rectangular to Round Converter Sleeve

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Solution

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We recommend sleeves are protected with a Cavitray where they pass through the cavity, to comply with NHBC/best practice. (See Sleeve and Duct Cavitrays.). Note through-airflow rating capacity limited by size of pipe.



TYPE CLV

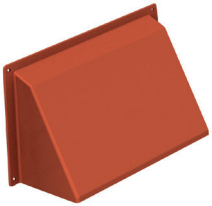
Circular Louvered Ventilator

- Insect screening
- Integral edge grips
- High airflow
- Louvered protection

Solution

The Type CLV is popular in after-fit drill and vent applications. It can be introduced when the wet trades have finished. It differs from most circular ventilators as it has an airflow aperture rating of 2100mm². The installer is required to drill fewer holes around the building, as fewer ventilators are required to provide the requisite levels of ventilation.

Example: if a small circular vent has a free area of 300mm, it would require seven such ventilators to equal the free area of one Type CLV. The Type CLV is commonly installed at 1.2m centres to fulfil ventilation requirements in typical applications. Projecting location grips hold the Type CLV in place when inserted into the drilled hole.



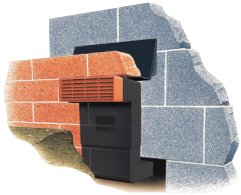
CAVIBRICK COWL

External Weathering Cowl

- Shelters exposed wall ventilators
- Angles off wall - does not obstruct
- Easy direct fixing

Solution

Where site conditions and exposure to bad weather dictate that wall ventilators and ventilation bricks are sheltered, the Cavibrick Cowl can provide a simple and swift way of introducing protection. Secured to the wall through pre-drilled holes, the Cavibrick Cowl angles off the wall so ventilation grilles are protected but not obstructed. Available in two sizes to suit single or doubled-up Cavibricks.



TYPE TAV

Telescopic adjustable ventilator

- Unobstructed airflow route
- Extends and retracts to suit course level
- Accommodates high performance cavibrick
- Accompanying cavitray
- Horizontal and vertical extension sleeves

Solution

The Telescopic Adjustable Ventilator extends or contracts like a telescope. It extends to a maximum of five brick courses.

It is designed to accommodate the high performance cavibrick, or may alternatively be used with a conventional air-brick. Airflow can be directed to a specific area of the structure, at a different level. Where a greater variation is required beyond five courses, an intermediate sleeve is available to extend the range. Adjustment range 375/225mm.



TAV SLEEVES

Vertical & horizontal applications

- Extends ventilation options
- Clear-flow air way
- Fits within 50mm cavity

Solution

Where the distance between air inlet and outlet is greater than 375mm, vertical extension sleeves may be fitted. Similarly horizontal extension sleeves are available for use where a long reach is required and space prevents the use of 100mm nominal pipe connected using a Type TAV to Round Converter.

Whilst a Cavibrick with a 7,500mm² rating attached to a Type TAV can have a combined free airflow rating of 6,600mm², be aware airflow diminishes as the distance from any inlet to outlet increases.

It is recommended under normal applications extension sleeves do not lengthen the total vertical distance by more than one metre and optimum frequency of placement is always determined on an individual basis.



TYPE TAV

To Round Connector

- Compatible with TAV
- Fits standard pipe
- Unobstructed airflow

Solution

Where a plastic nominal 100mm pipe is used to carry airflow to specific parts of a structure, a means of connection to our cranked telescopic ventilator is required.

The TAV to Round Connector is designed for such purposes. This attachment can be successfully used to provide piped exit routes for radon gas (below floor level) to the perimeter of a building where discharge is via cranked ventilators because of the exterior ground levels.

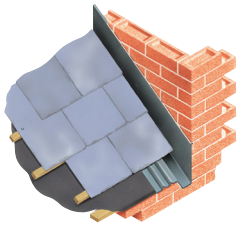
ROOF GUTTERS, FINISHES, FLASHINGS AND PROTECTORS

For Roof Ventilation, see applicable section in Ventilation chapter

Important

Valley troughs, running soakers and supporting products may be used within roofs constructed to BS5534: part 1 - 1990 (slating and tiling) and BS8000: Part 6 – Code of Practice for slating and tiling of roofs and cladding. Fire resistance SAB to BS476 part 3 and Class 3 of part 7.

Within this section are components and accompaniments applicable to roof space access, roof construction and floor service duct provision.



TYPE CRSS

Continuous Running Soaker Strip

- Pre-shaped continuous soaker/secret gutter
- For roof pitches 22.5° to 60°
- Not visible once installed
- Lightweight and easy to handle

Use

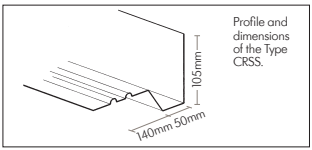
Continuous soaker for use where a slate roof abuts a masonry wall.

Solution

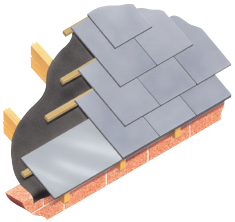
The Continuous Running Soaker Strip may be used instead of conventional lead soakers where a roof of slate abuts a vertical fair faced masonry wall.

Manufactured from glass reinforced polyester and coloured grey, the strip provides a lower cost water arrestment option. Conventional lead may still be used at the saddle.

The upstand is required to rise tightly against the masonry face and has an unlipped top so no chasing is necessary. The upstand can be secured to the masonry if required either by mechanically fixing or by using an appropriate bonding adhesive. 3000mm lengths.



Profile and dimensions of the Type CRSS.



TYPE ECSC

Eaves Continuous Slate Course

- Reduces costs and site work
- Provides rigidity and continuity along bottom edge
- Not visible once installed
- Lightweight and easy to handle

Use

A substitute for the first course (bottom layer) of slate. Reduces slate cutting and minimises joints along weathering edge.

Solution

The Eaves Continuous Slate Course is used in place of slates to form the first course along the bottom of the roof.

This reduces the number of slates and the accompanying slate cutting normally required. Supplied in 3 metre lengths, installation is speedy, easy to align and continuous runs are formed with the minimum of joints along the weathering edge. Subsequently the laying of whole slates may commence immediately.



TYPE RBS

Roof Bonding Strip

- Accommodates merging of roof finishes
- Suitable for roof pitches from 15° to 60°
- Integral keying
- Preformed in long lengths

Use

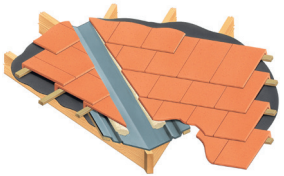
To link and permit bonding of two dissimilar roof finishes. For use where a differently dimensioned roof tile/slate finish is being introduced alongside a different finish on the same slope.

Solution

The Roof Bonding Strip is moulded from glass reinforced polyester and has water-check ribs either side of a central mortar adhesion area.

When located under the point where two dissimilar roofing finishes meet, the strip permits both to be bonded together. Produced to an overall width of 230mm, the Type RBS is fire resistant in accordance with BS 476, the classification being to P60 (SAB) class three.

The strip acts as an underlying bridge between abutting surfaces and may be used as part of a fire-break detail as defined within the Building Regulations. 3000mm lengths.



TYPE VG

Valley Gutter

- Suitable for roof pitches from 15° to 70°
- Integral keying
- Conventional appearance when built in
- Preformed in long lengths

Use

To act as water and weatherproof channel within valley between converging roof slopes.

Solution

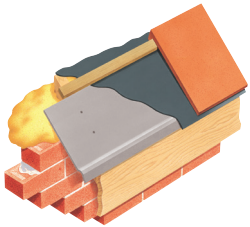
Preformed Valley Gutters are manufactured from glass reinforced polyester and provide an alternative to the site fabricated lead valley. Two styles are available for use with slate or tiled roofs.

Both are finished with a tough film coat that is coloured to resemble the appearance of lead and offers excellent weathering qualities.

The Valley Gutter for tiles (VG-T) has integral water-check ribs to its sides and two sanded mortar adhesion strips.

The Valley Gutter for slates (VG-S) is manufactured with a deeper profile. Both may be used to satisfy the requirements of roofs constructed to BS 5534: Part 1 -1990 (Slating and Tiling) and Part 6 of BS 8000.

Type VG Valley Gutters are fire resistant in accordance with Bs 476, classification P60 (SAB) class three. 3000mm lengths.



HARDEDGE EAVES PROTECTOR 1500

Eaves Felt Support and Protector

- Suitable for all roof pitches
- Provides consistent felt support
- Prevents water pooling
- Promotes correct discharge into gutter

Use

Provides robust support of roofing felt at eaves so felt sag between timbers is eliminated and water cannot pool.

Solution

Hardedge Eaves Protector 1500 is an anti-pooling strip manufactured from rigid PVC.

It is positioned at eaves level prior to the laying of the roofing felt and secured by nailing to the roof timbers. Hardedge provides support of the underlay felt that is positioned and laid in the conventional manner.

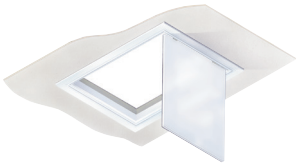
The underlay felt is thus prevented from sagging between rafters/ tilting fillets, and the problem of water pooling between rafters is addressed.

The front projecting edge of Hardedge Eaves Protector steers the felt forward of the roof edge so it may terminate into the adjacent guttering. 1500mm lengths.

Notes:

LOFT ACCESS DOORS & FRAMES

Standard / Fire Rated



DOWNWARD HINGING LOFT ACCESS DOOR & FRAME

Loft Access Door

- Door opens downwards into room
- Integral latch
- No painting or finishing required
- Insulated door

Use

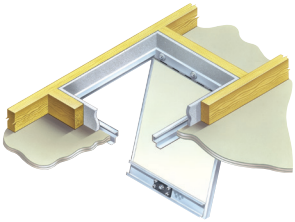
To gain access into a roof void.

Solution

Downward hinging loft access door within a ready-finished frame. Manufactured in lightweight high impact polystyrene coloured white and requiring no finishing or painting.

Available in one size only, this downward opening model requires a trimmed opening of approximately 560mm x 760mm.

The hinged door has a layer of polystyrene insulation bonded to its upper surface and an integral securing latch.



CAVI120 TYPE PC LOFTHATCH

Loft Access Door

- Two hour fire integrity rating
- Integral latch
- White stove finish
- Insulated door

Use

To provide access with a fire integrity rating of two hours into a roof space.

Solution

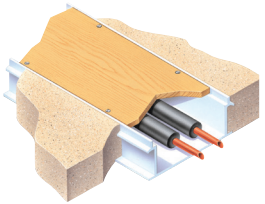
The prefix of Cavi 120 denotes this Lofthatch has a fire integrity rating of 120minutes. The downward opening door is supported on a full width zinc coated hinge that provides retention across the entire width of the frame.

The door is secured in the closed position by turning an integral locking bolt accessed via a recessed locking point. Draught strips within the frame compress against the door when locked. The dished steel constructed door retains a fire barrier layer.

When installed the 1.5mm thick frame surround appears almost flush with the ceiling plaster so visual presence is minimised.

Trim and line to 755mm x 540mm. Clear opening size 745mm x 530mm.

SERVICE DUCTS FLOOR



TYPE I

In-screed Services Duct

- Preformed ready to use duct
- Easy access for future maintenance
- Integral keying and stability flanges
- Maximum clear duct area

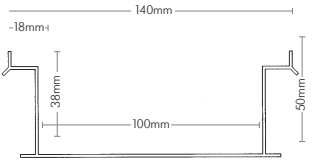
Use

Preformed services duct for incorporation within floor screeds. Provides serviceable conduit for pipes or wiring.

Solution

The Type I in-screed services duct is designed to accommodate pipes or electrical wiring required to pass through a screeded floor. The duct is bedded on a level oversite or sub floor and the final screed is finished flush with the duct top edges.

Integral flanges to each side stabilise the duct and promote a firm hold by keying into the screed. Surface covers to accompany the duct are offered in 12mm plywood. 2400mm lengths.



Dimensions of the Type I in-screed services duct.

Notes:

RADON (CONTAMINATED LAND) CONSTRUCTION PROTECTION

Building on Radon Emitting Ground

Radon Gas is everywhere - it is the extent that varies and structures are required to be built so radon exposure risk is minimised.

Radon Gas

This section refers specifically to construction of property with cavity walls on ground emitting naturally occurring Radon gas.

Other Gases

Polypropylene products within this section may be considered for the management of other naturally occurring gases only where the designer / specifier has identified suitability and determined the material polypropylene from which the products are manufactured provides gas control to fully meet the intended permeation control measures sought.

Footprint Protection

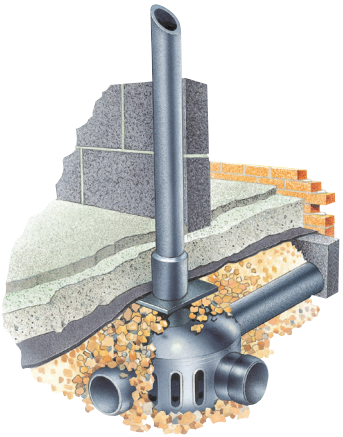
When raising a building out of the ground, footprint protection can be incorporated easily and cost effectively. Footprint protection is measured from the face of the exterior masonry skin with all incorporated measures integrated to form a continuous unpunctuated gas resistant barrier. Ground gas pressure affecting a building can also be reduced by incorporating a gas sump(s).

- Gas reception (depressurisation) sumps
- Oversite protective membranes - gas and damp
- Cavity barriers with interfacing angles and steps + profile options
- Threshold protection for openings offering adjustable integration
- Gas evacuation options
- Water evacuation options
- Protective sleeves, collars and interruption safeguards
- Sealing/ bonding gas sealing strips / capping
- Take-off and scheduling service

GAS RECEPTION SUMP

Reducing Gas Pressure Under the Building

- One-piece easy placement
- Passive or active extraction
- Interconnecting facility



In this example, the membrane is shown under the oversite slab, rather than above it. Whichever option is selected to suit the construction in question, the outlet from the reception sump is always linked to the membrane using a service pipe flashing.

Both outlet options are illustrated. Vertical stack or up to four horizontal connections are possible. Thus gas evacuation can be to perimeter walls if appropriate, terminating with round converter and Cavibrick.

Use

Depressurisation sumps, oversite membranes + compatible preformed cavity wall barriers with accessories integrate to form a radon gas protection arrangement of the building footprint to guard against gas permeation into the structure.

Solution

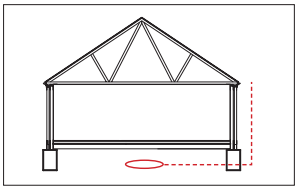
Sub-floor depressurisation is a way of reducing the pressure beneath a building and therefore directly influencing/easing the extent by which it seeks to infiltrate

the construction.

Located beneath the floor slab in non-suspended floor configurations, one or more draw-sump is incorporated within the granular fill. The sump is connected and vented to the atmosphere using 110mm drainage pipe. Such sump configurations are termed passive and rely on the imbalance of pressure under and outside of the structure to naturally evacuate and dissipate gases. External termination dissipation options include Cavibricks, high-level pipe outlets or alternatively the outlet can receive an external cap in preparation to receive optional fan assistance at a later date.

One sump can influence an area up to 9m radius or an area of up to 250m² where the granular fill area is continuous and uninterrupted. How many sumps are required to provide optimum depressurisation depends on the foundation construction of the building and whether or not there is ventilated masonry between those foundation areas. Where a high-water table exists we recommend sump integration is reviewed to ensure functionality is not compromised by being waterlogged. (Note pressure differential requires the surface separating below ground from above ground to be sealed /capped not open).

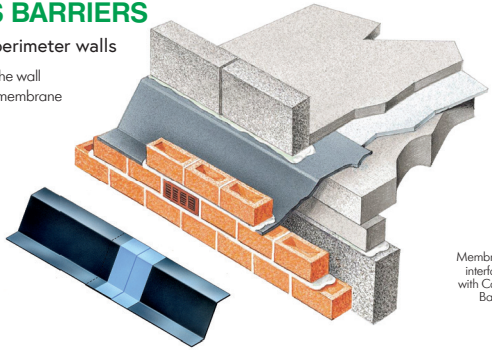
Protector steers the felt forward of the roof edge so it may terminate into the adjacent guttering.



PREFORMED HORIZONTAL EXTERIOR WALL DAMP/ RADON GAS BARRIERS

Arrestment within perimeter walls

- Gas guarding through the wall
- Integrates with oversite membrane
- Acts as DPC
- Outward stepping discharges water



Membrane interfaces with Cavity Barrier

Use

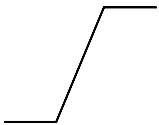
To stop Radon gas from continuing to rise within the exterior wall and cavity. To provide protection that integrates with oversite membrane.

Solution

Radon cavity barriers are built into all exterior walls around the building at floor/wall level. Their function is to arrest gas rising within the cavity/wall from permeating the structure. Barriers link with the protective oversite membrane.

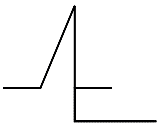
Rising gas arrested by the barrier is discharged out of the structure via appropriately located Cavibricks. The barrier is outward-stepping and shaped so any water penetrating the external masonry skin at higher level can be evacuated from the wall via Caviweeps located within perp joints. (See subsequent pages for further details)

Barriers are based on the Cavicloak design and manufactured in profiles to suit the specific construction detail. On site long runs can be swiftly formed by lap linking and sealing adjacent lengths. Preformed corners, change of level links and threshold barriers are manufactured to suit. In some instances the Radon Barrier can also function as the wall horizontal DPC, eliminating the need for this to be addressed separately.



Lazy Z Barrier

The Lazy Z profile terminates at higher level within the inner masonry skin. To maintain uninterrupted protection against rising gas the oversite membrane must lap and link which entails rising to this level.



Rise and Fall Barrier

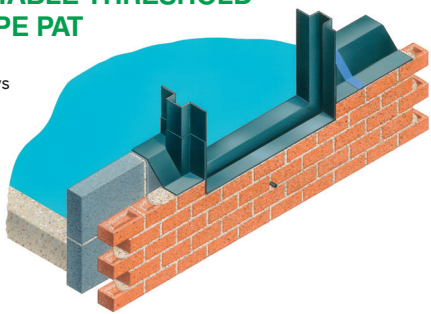
The Rise and Fall Barrier commences and finishes at the same masonry course level. It is usually supplied with a projecting inboard section to permit it to extend and lap-link and seal with the oversite membrane.

(Specifications and full details of the above products are located on the specific product pages within the damp-proofing section)

STANDARD ADJUSTABLE THRESHOLD PROTECTION – TYPE PAT

Maintaining gas and damp controls across doorways

- Gas and water threshold barrier
- Adjustable side connectors link with barriers
- Integral drainage outlet
- Accepts numerous barrier profiles



Use

The Type PAT – Protective Adjustable Threshold – is a three-dimensional DPC unit that is bedded within the external wall opening. Integration between wall barriers and the Type PAT is achieved using the adjustable side connectors that attach to the Type PAT and slide up and down to the requisite level.

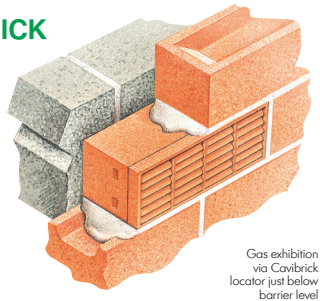
The cavity face of each connector has a projecting connection profiled to match that of the external wall DPC/barrier profile. (Always first determine your optimum cavity barrier profile, then order Type PAT for openings with side connectors that match the barrier profile.

For specification and full details see Type PAT in damp proofing section.

GAS EVACUATION - CAVIBRICK

Venting from under barrier level

- Passive gas extraction – high throughput
- Masonry harmonizing colours
- Compatible with range of sleeves
- Insect screening
- Self-draining base



Gas exhibition via Cavibrick locator just below barrier level

Solution

Gas can passively discharge via Cavibricks incorporated at regular intervals (normally 1500mm centres) within the wall exterior skin. No connecting sleeves are required where a Cavibrick is releasing gas from the cavity under barrier level.

If ground levels prevent discharge immediately under barrier level, we offer specialist connections and straight/ telescopic sleeves that rise up and pass through the barrier to provide a higher discharge level. There are connecting sleeves and ducts to connect Cavibricks horizontally and vertically to specific voids (Individual listings for these products appear within this publication).

WATER EVACUATION - CAVIWEEP

Draining from top of barrier level

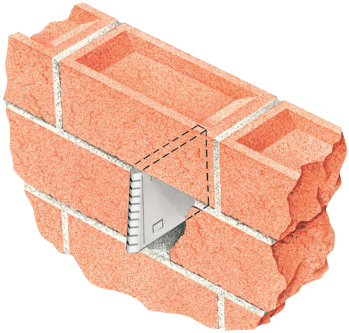
- Combined water and gas protection
- Integrates with cavity barrier
- Radon, methane and carbon dioxide resistant

Use

To provide exit route for water arrested on top of the cavity barrier.

Solution

The cavity barrier prevents penetrating water from draining to the bottom of the cavity wall. Instead it is collected on the barrier upper surface and discharged out of the structure. Caviweeps provide this function. They are located in perp joints at barrier level at 900mm centres. See individual page listing for specification.





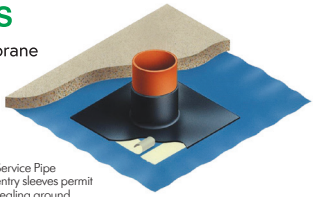
Cavibricks evacuating gas from under cavity barrier and Caviweeps evacuating water from top of cavity barrier.

Notes:

SERVICE PIPE ENTRY POINTS

Service entry pipes through the oversite membrane Sleeves and ducts through the cavity barrier

- Seal around pipe, sleeve and duct penetrations
- Numerous circular and rectangular sizes
- Gas and water resistant moulding
- Available with Integral bonding strip



Service Pipe entry sleeves permit sealing around service inlets of all sizes

Use

To maintain gas and damp resistant measures where services pass through the oversite.

Solution

Preformed service pipe entry sleeves (often termed 'top hats') are available in a range of sizes. They provide effective protection against damp and gas ingress around the service pipe penetration. Manufactured from black gas grade rigid polypropylene, the base of each entry point is secured to the dry membrane penetration area utilising bonding strip on and around the underside of the base. The rising sleeve snugly fits the pipe dimension and is secured utilising bonding strip and a tightening clamp.

Where penetrations of the gas-grade oversite membrane are not addressed using standard sized Service Pipe Entry Points, bespoke options are available with collars designed to receive round and rectangular projections of all dimensions. Your requirements can be determined if you make use of our free design and advisory service.

Dimensions	Service Pipe Entry Sleeves: 25mm pipe x 150mm height x 350 x 350mm base 55mm pipe x 150mm height x 350 x 350mm base 70mm pipe x 150mm height x 350 x 350mm base 85–110mm pipe x 150mm height x 350 x 350mm base 135mm pipe x 150mm height x 450 x 450mm base 150mm pipe x 150mm height x 450 x 450mm base
Cavity Barrier Obstruction Sleeves	Matched barrier profile x 600mm length x matched obstruction profile.
Bespoke options	Yes
Material	Polypropylene
Colour	Black
Jointing method	Base lap + bonding strip Products can be supplied with bonding strip already applied to base if specifically requested when ordering. Otherwise always supplied without and bonding strip.
Radon permeability	Less than 1.6 $10^{-12}m^2s^{-1}$ spot test.

ASSOCIATED CONSTRUCTION PRODUCTS



DOOR OPENING PROTECTIVE WRAPS

- For internal and external openings
- Helps protect opening surround
- Use again and again

Use

To provide temporary protection to existing door openings during new build and alteration works.

Solution

Manufactured from recycled polypropylene, these U shaped sections loosely clamp around the sides and head of internal and external wall door openings, and can be temporarily secured to provide protection of the frame/lining/architrave against knocks and chips.

Useful when executing building / alteration works or when constructing from new.

Each Door Opening Protection Wrap set consists 2 side lengths and 2 head sections that overlap to take up variations in doorway width.

Door Openings	Up to 2m x 1m width
Size 1 for max internal wall /frame thickness	Up to 200mm max
Size 2 for max external wall/frame thickness	Up to 350mm max
Material	Recycled Polypropylene
CFC / ODP	Free / zero

Notes:


Type C + Caviweeps
Type G Horizontal Abutment
Thermal Acoustic Caviclosers
Radon Barriers + Cavibricks
Caviroll DPC

CALCULATE YOUR PROJECT

Use this prompt page to calculate your own requirements

If you have a drawing you can send them through to our estimating office by email: **enquiries@cavitytrays.co.uk**
Or you can use the Upload drawing facility tool that also appears on the homepage.



Roof Configuration

E.g. Pitched, Mono-pitched, Flat, Mansard or Other

Blockwork to be finished with a rendering coat? Yes ☐ No ☐

External Wall Material Coursing

E.g. (75mm brickwork, 100mm stonework, 150mm stonework, 225mm blockwork)

Bed width of outer wall leaf (mm)

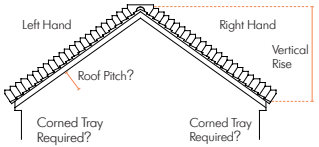
Overall cavity width (mm)

Clear cavity width (mm)

Lead attached or unleaded trays?

E.g. (Trays with lead flashing attached - state length of lead flashing required,
Short flashing (150mm) to dress over upstand of secret gutter or soaker,
Long flashing (300mm) to dress directly over an appropriately profiled tile.)

STEPPED CAVITY TRAYS



Ridge required?

Yes ☐ No ☐

Left-hand side slope vertical measurement (mm)

Right-hand side slope vertical measurement (mm)

Roof pitch

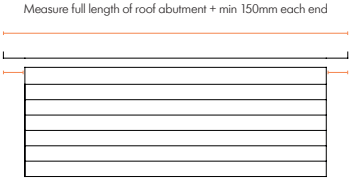
Corner tray required (left hand slope)

Yes ☐ No ☐

Corner tray required (right hand slope)

Yes ☐ No ☐

HORIZONTAL CAVITY TRAYS



Full length of roof abutment
(+ min. 150mm each end (mm))

New or existing wall?

If there is anything else that we need to know please let us below

Corner tray required (left)

Yes ☐ No ☐

Corner tray required (right)

Yes ☐ No ☐

BESPOKE SERVICE

Do you require something custom-made for a particular job?

DPC's, cavitrays and flashings are available tailor-made to suit your requirements, so if you seek something different, contact our bespoke service. Easy to handle preformed units can be supplied in a variety of materials to protect non-standard and innovative construction details that require a bespoke approach.

Preformed units are easy to handle and remove the risk of inconsistent and incorrect site fabrication. Mistakes and waste need not arise using robust durable ready-shaped units that are designed to tackle the specific build detail and interface with adjacent elements.

Bespoke cavity trays and accessories are made to order, and we strongly recommend advantage is taken of our advisory service operated by the only UK cavity tray company awarded European Technical Approval.

- Bespoke design and manufacture to suit exact application requirements
- Preformed units ensure build detail consistency is maintained
- Robust and durable damp arrestment and protection
- Speedy -preformed units eliminate fabrication time on site
- Integral interfacing to provide unpunctuated protection
- Dimensional drawings provided
- Schedule and quotation provided
- Warranty provided
- The longest-established Company in its specialised field and the only UK cavity tray manufacturer awarded European Technical Approval.

Cavity Trays technical team:

01935 474769

enquiries@cavitytrays.co.uk

Basis of Supply / Conditions of Supply

Any quotation and/or offer to supply and/or supply by Cavity Trays Ltd in respect of products is deemed to have been made subject to the Conditions and any terms or conditions of the purchaser are superseded are of no effect and do not form part of or apply to the Supply Contract in all circumstances even if included as part of the Purchase Contract Documents unless and to the extent incorporated as Special Conditions varied only in writing prior to supply and signed by an Authorised Director of Cavity Trays Ltd. A full copy of our Conditions of Supply may be obtained upon request and the Purchaser and/or the User shall be deemed to have read and accepted these Conditions in full for all present and future contract relations until further notice is given by Cavity Trays Ltd. Quoted despatch dates are indications only and speed of delivery shall not form any part of any contract. Cavity Trays Ltd reserves the right to amend or change specifications without notice.

Performance

Any undertaking applies only to the functionality of correctly specified dimensioned and manufactured goods installed in accordance with our fitting instructions. Our liability extends only to specifications based on information provided prior to our design work commencing and excludes any liability arising out of incorrect, inaccurate or incomplete information supplied by any notifying party. Cavity Trays Ltd is not able to make any warranty as to the standards of workmanship affecting products. Any performance undertaking does not extend to any other losses howsoever arising.

The above are extracts from our Terms & Conditions. Full details are available upon request.

Ordering

Products may be source from your local Builders Merchant. Many merchants hold stocks of our goods, and we will be pleased to issue stockist names upon request via telephone fax or e-mail. Alternatively, you may place instructions with our sales offices direct by telephoning 01935 474769. If you adopt this procedure, it permits us to advise on availability and to arrange for the goods to be supplied through a recommended merchant appropriate to your area.

References and Sources of Information

The following information sources have been accessed within the past three-year review cycle and information added to our resources library:

- Building Regulations part A,B,C,D,E,F,I,M
- Building Research Establishment
- Hackett Report
- NHBC Technical Manual 2022 standards and Technical Guidance Updates
- LABC Technical Manual 2022 standards and updates
- Premier Guarantee Technical Manual 2022 standards and updates
- British Standards
- British Board of Agreement
- European Technical Assessment (ETA) / European Technical Approval
- Cavity Tray Standards
- Building Safety Act 2022
- Building Regulation Approved Document Uplifts applicable 2022
- The Fabric Energy Efficiency Standard (FEES)

Cavity Trays Ltd wishes to thank the following organizations for their help and co- operation in providing input used in the preparation of this publication:

- NHBC / LABC / BRE
- Forticrete
- Lee & Jackson, installers of approved Cavitrays
- Surecav Ltd
- DCE

All information is inevitably generalised and users should ensure it is relevant to the specific circumstances in which they seek to apply it. Adhering to its policy of continuous product improvement, Cavity Trays Ltd reserves the right to introduce product and specification modifications and changes at any time without notice. This manual has been produced and printed with care, but no responsibility can be accepted for data error or misrepresentation. E&OE.

Innovation Built on Experience and Tradition

DON'T LOSE OUT

Past editions have been requested by
over 97.8% of previous readers*

The BWD series continues to be the pocketbook information source used by architects, surveyors, builders and contractors.

Use it to identify solutions for your best practice construction details.

Building Solutions -
Cavity Trays Ltd of Yeovil is the only manufacturer in its specialised field awarded European Technical Approval.

*DCE events survey

CAVITY TRAYS
specialism • experience • service

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